

557
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Coal

AA

ATLAS SOUTHERN ANTHRACITE FIELD, PART 2.

Atlas
v4 pt. 2

Contains *Thirteen* Mine Sheets relating to that part of the Schuylkill Coal Basin in the vicinity of Tamaqua, Tuscarora, Patterson, Middleport, New Philadelphia, Port Carbon, Pottsville, Saint Clair, New Castle, Morea, Frackville, Gordon, Mount Pleasant, Hecksherville, Minersville, Westwood, Llewellyn, Forestville, Swatara, Newtown and Blackwood in Schuylkill county; showing the surface features and mine workings; on a *Scale* of 800 feet to 1 inch, $\frac{1}{9600}$ of nature.

1. No. IV. TAMAQUA WEST SHEET, in the vicinity of Tamaqua, Newkirk, Reevesdale and Tuscarora.
2. No. V. PATTERSON SHEET, in the vicinity of Tuscarora, Patterson and Big Creek.
3. No. VI. MOREA SHEET, in the vicinity of Morea, Silver Creek Dam and New Castle.
4. No. VII. FRACKVILLE SHEET, in the vicinity of Frackville, New Castle and Dyer's Run.
5. No. VIII. GORDON SHEET, in the vicinity of Gordon and Mount Pleasant.
6. No. VIII^a, XIII^a, at the extreme western ends of the Broad Mountain, Heckscherville Valley and West West Basins.
7. No. IX. MIDDLEPORT SHEET, in the vicinity of Middleport.
8. No. X. POTTSVILLE EAST SHEET, in the vicinity of New Philadelphia, Saint Clair and Pottsville.
9. No. XI. POTTSVILLE WEST SHEET, in the vicinity of Pottsville and Minersville.
10. No. XII. FORESTVILLE (LLEWELLYN) SHEET, in the vicinity of Llewellyn, Forestville, Glen Carbon, Mount Pleasant and Branchdale.
11. No. XIII. SWATARA SHEET, in the vicinity of Swatara Falls, Kemble and Moser Drifts.
12. No. XIV, XIV^a. POTTSVILLE GAP SHEET, in the vicinity of Pottsville, Yorkville and Westwood.
13. No. XV. BLACKWOOD SHEET, in the vicinity of Blackwood and Newtown.

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Geological Survey of Pennsylvania.]

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THIS SOURCE AT THE FIELD

DATE: 10/10/50

NO. 2

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SECTION OF COAL MEASURES
PATTERSON SHEET
PALMER TUNNEL,
KENTUCKY COLLIERY
NORTHDALE TUNNEL,
KASKA WILLIAM COLLIERY
ALLIANCE COAL MINING CO.

Grier Bed

Primrose Bed

Palmer Bed

Four Foot Bed

Seven Foot Bed

Mammoth Bed

Coal Bed

Slodmore Bed

Coal Bed

Coal Bed

Buck Mountain Bed

Scale 100'-1"

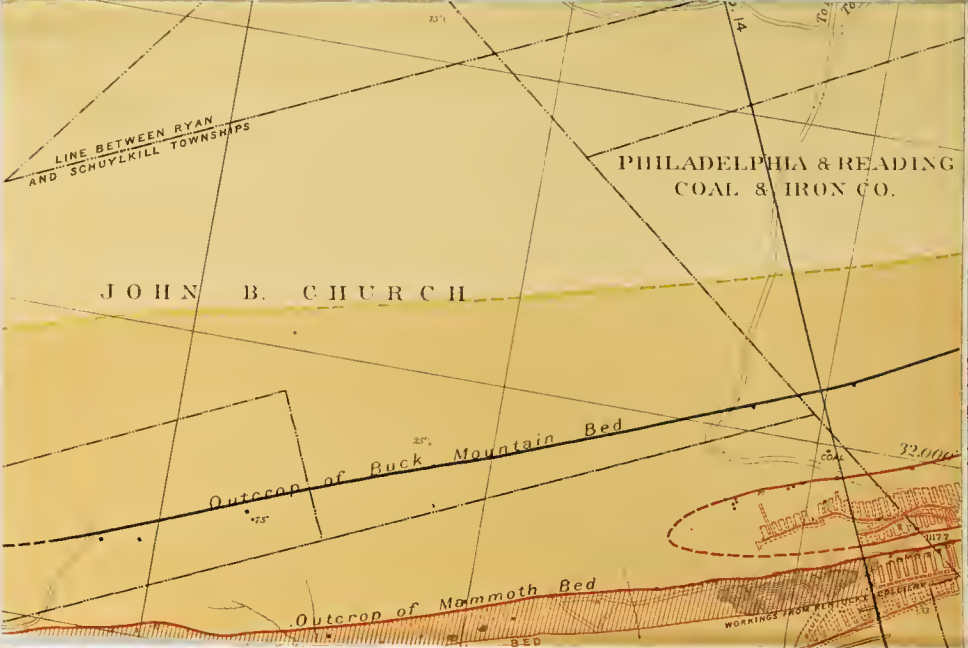
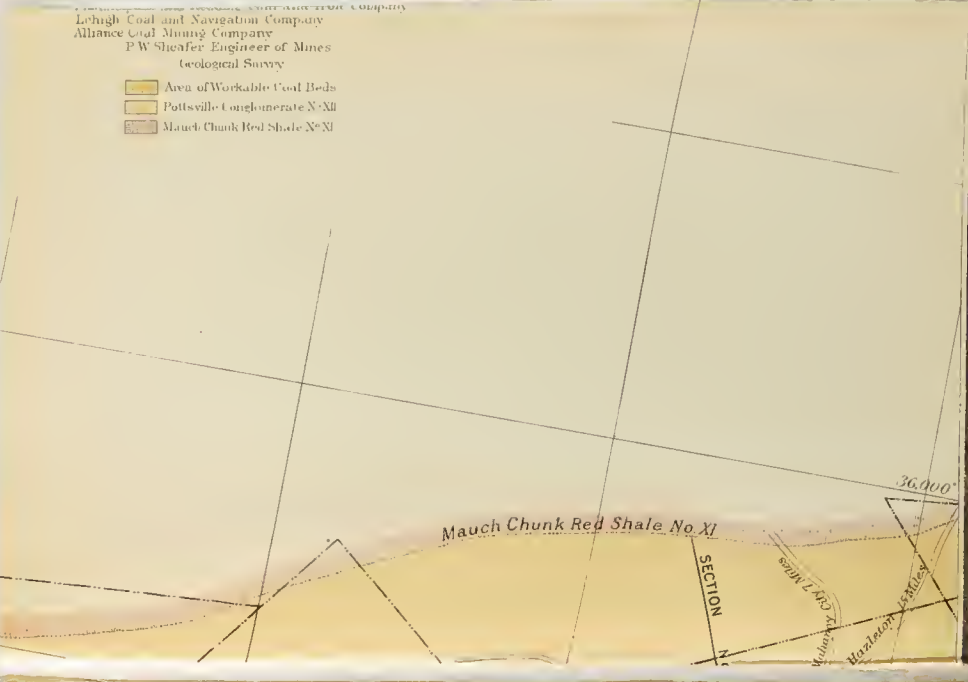
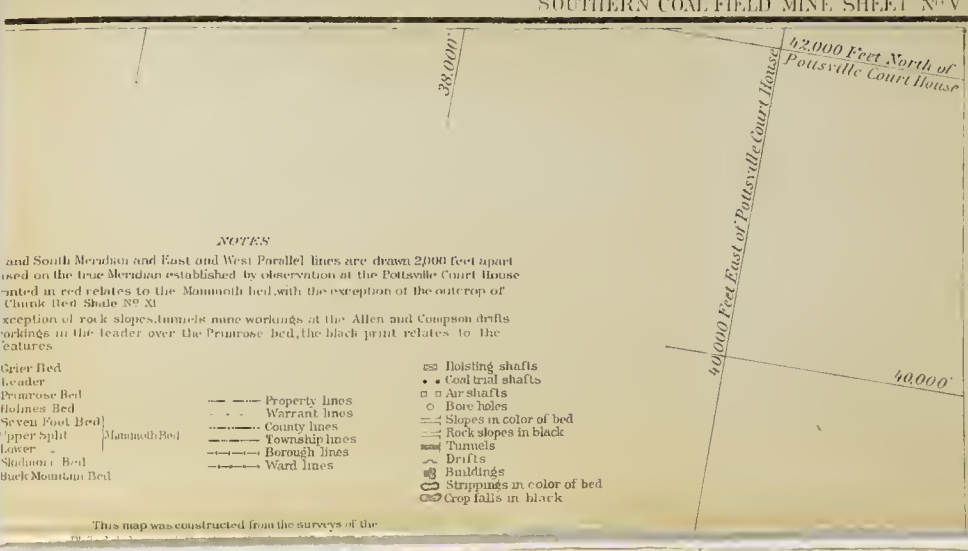
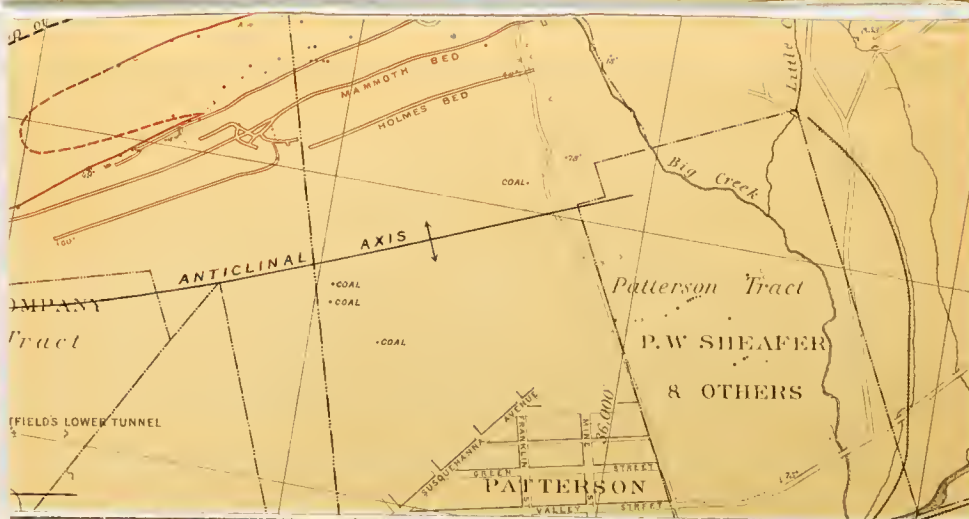
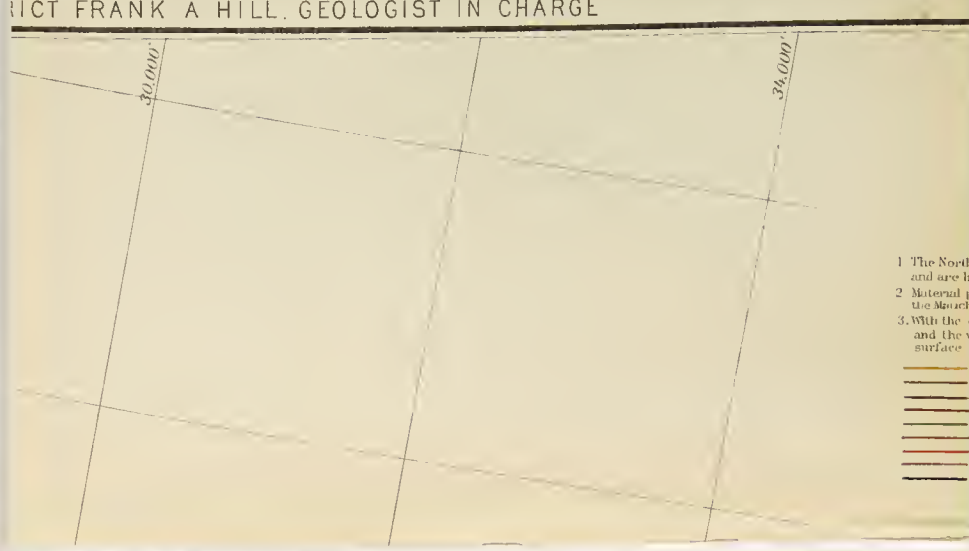
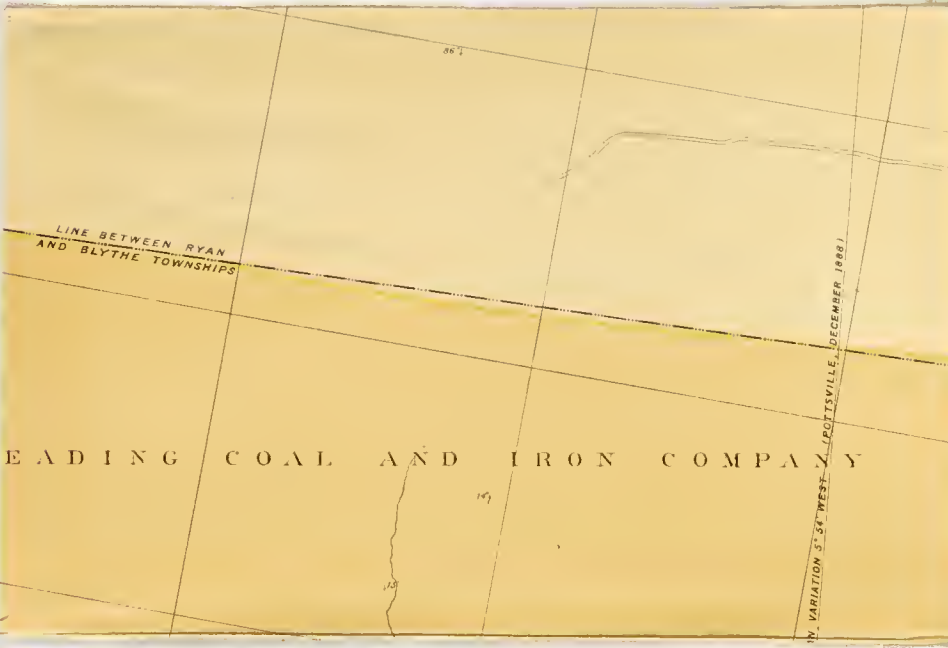
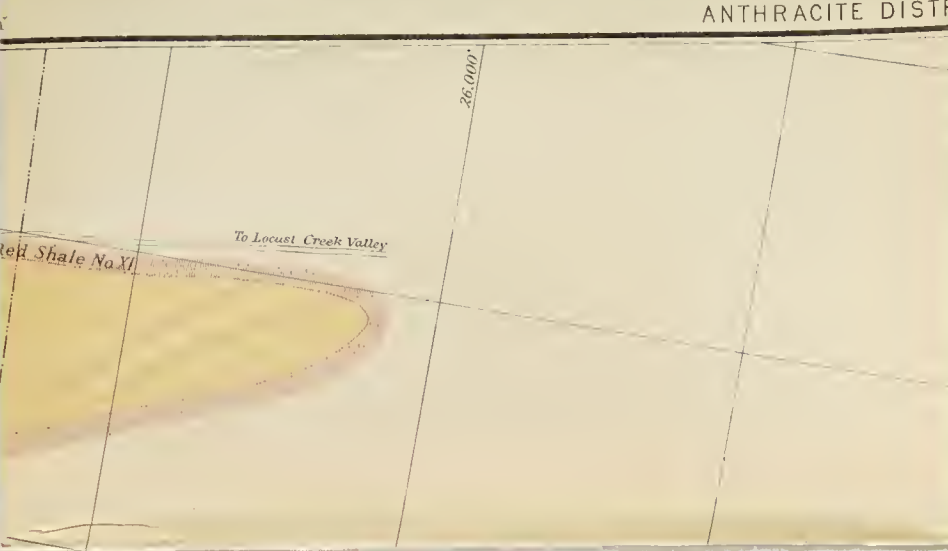
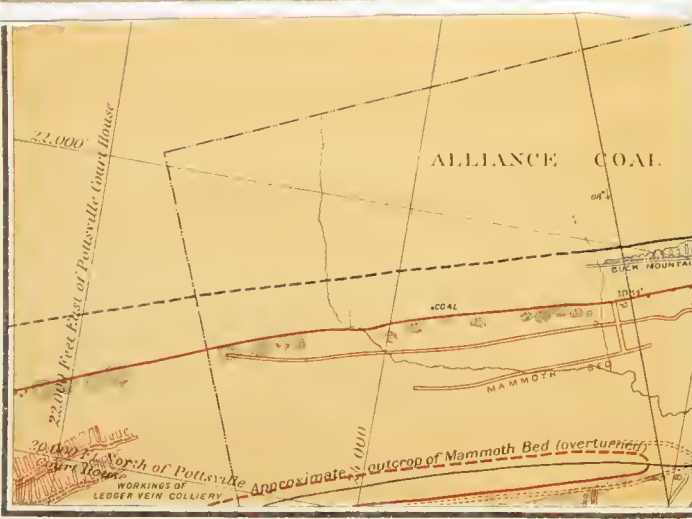
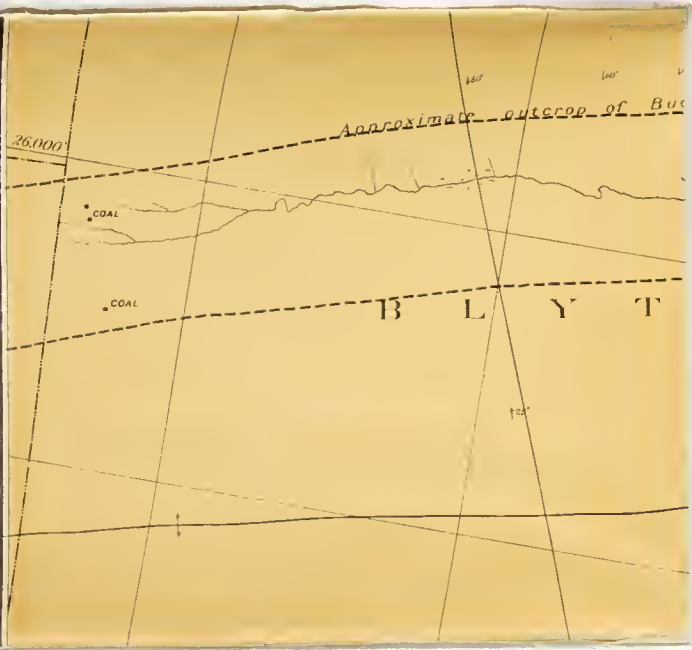
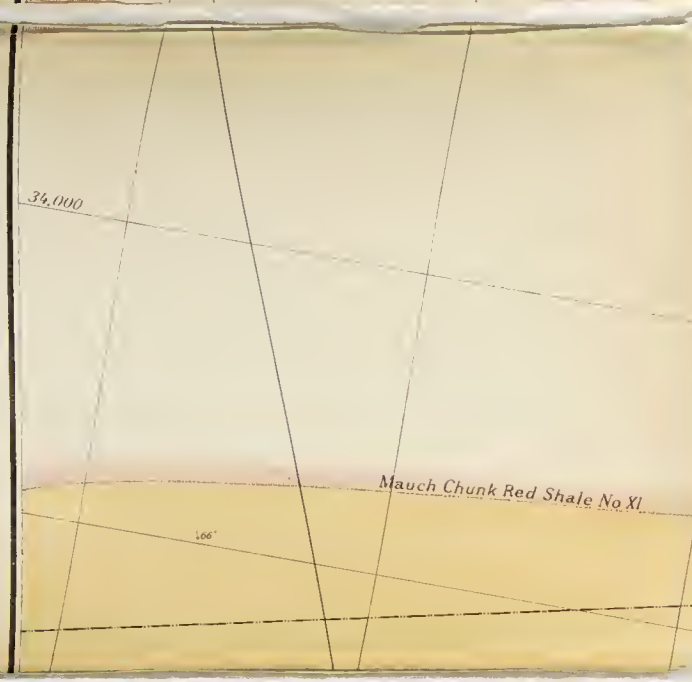
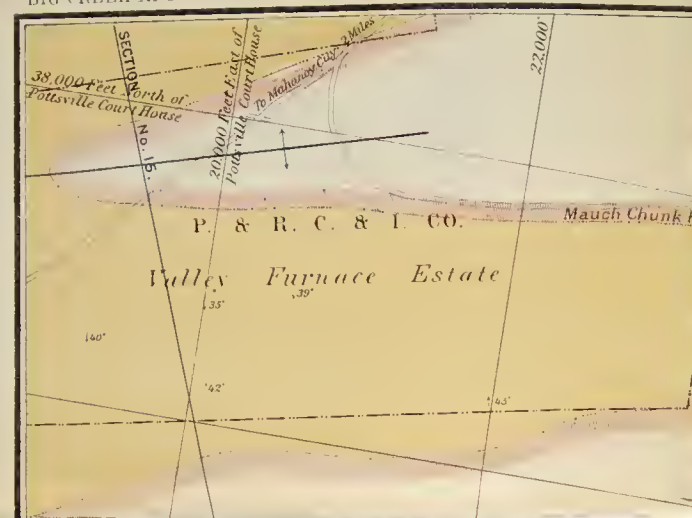
COAL MEASURES

KASKA WILLIAM COLLIERY

NORTHDALE TUNNEL

Scale 100'-1"

BIG CREEK AND SCHUYLKILL VALLEY BASINS, SCHUYLKILL COUNTY



ATLAS SOUTHERN AGRICULTURAL FIELD, PART 2, WHITE STREET, NO. 1, 3.

A. A.

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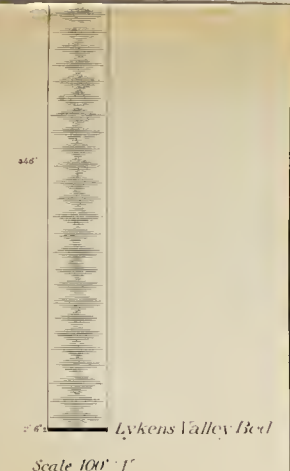
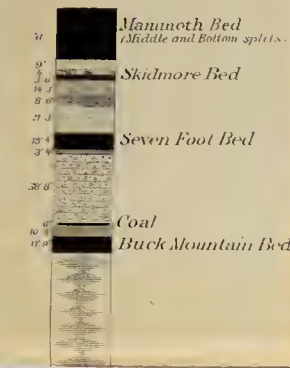
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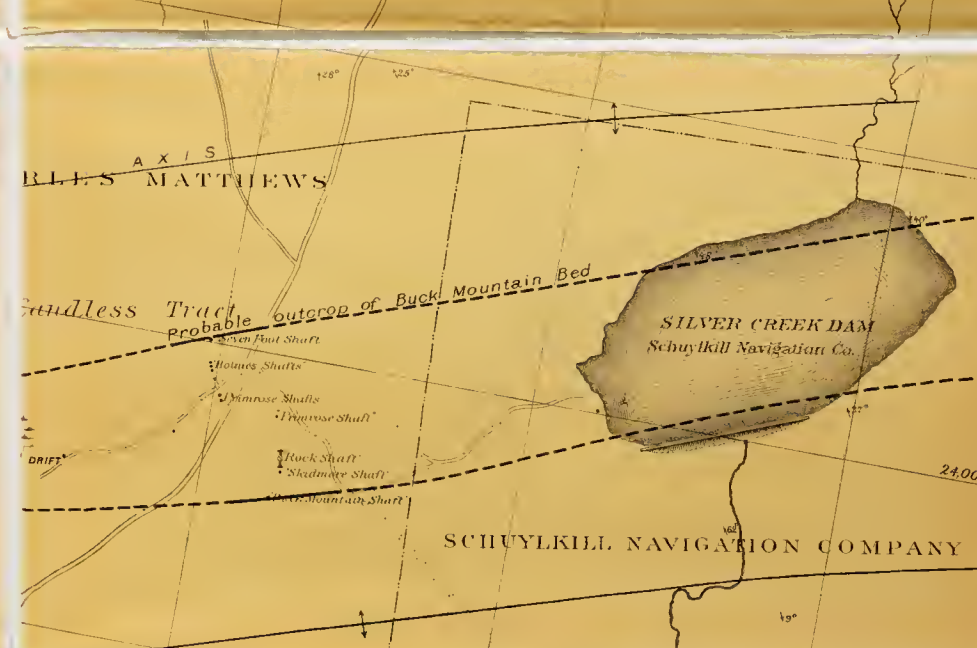
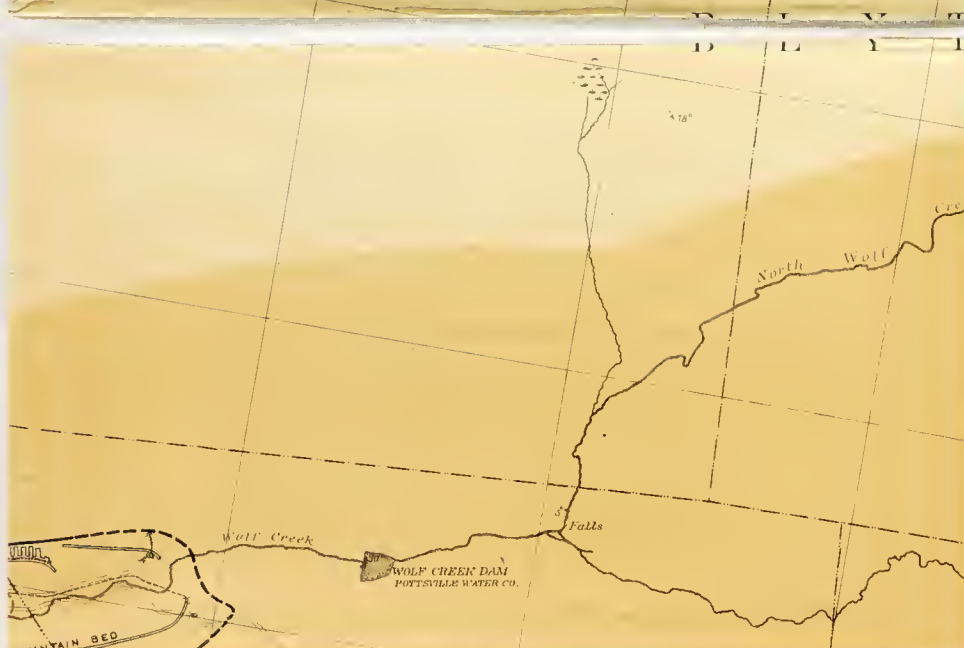
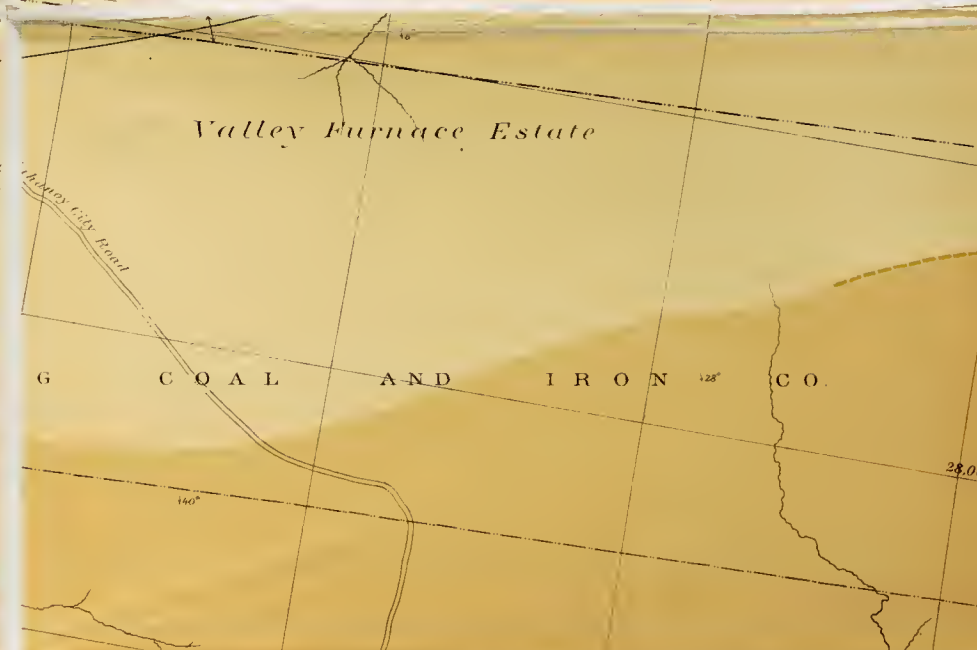
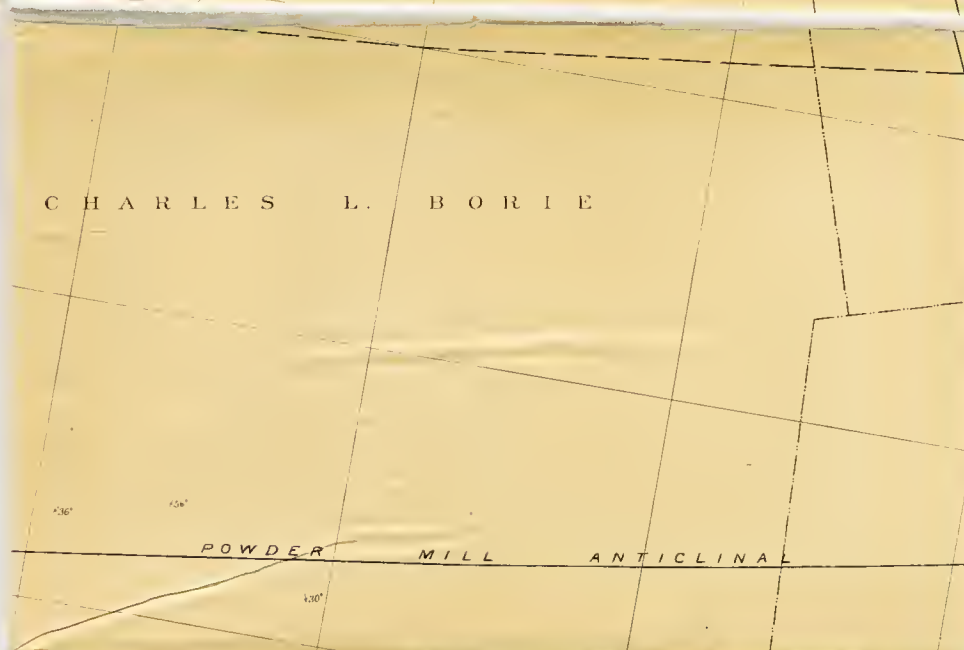
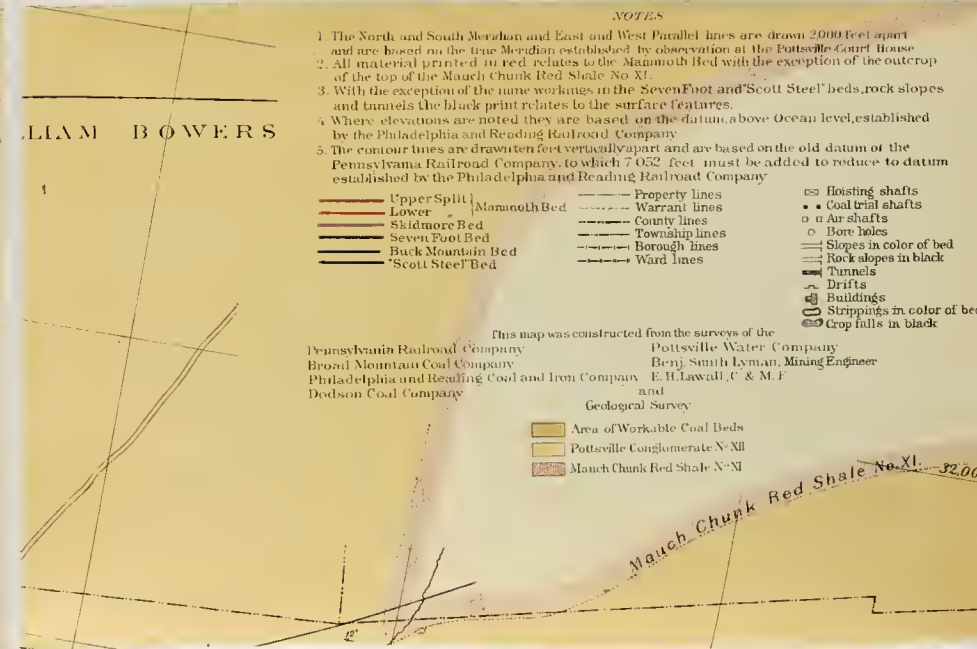
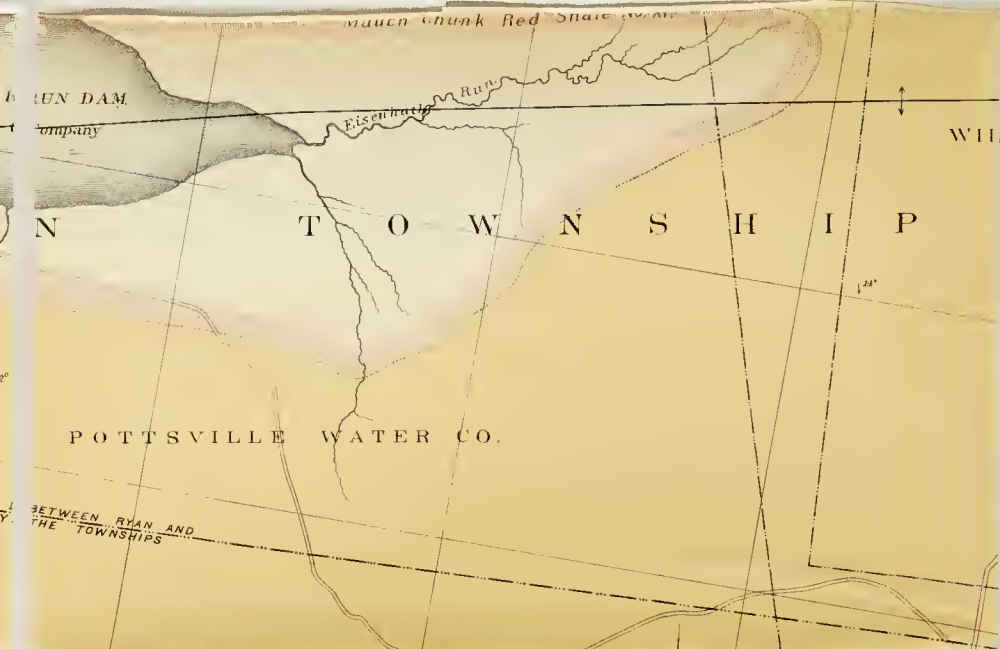
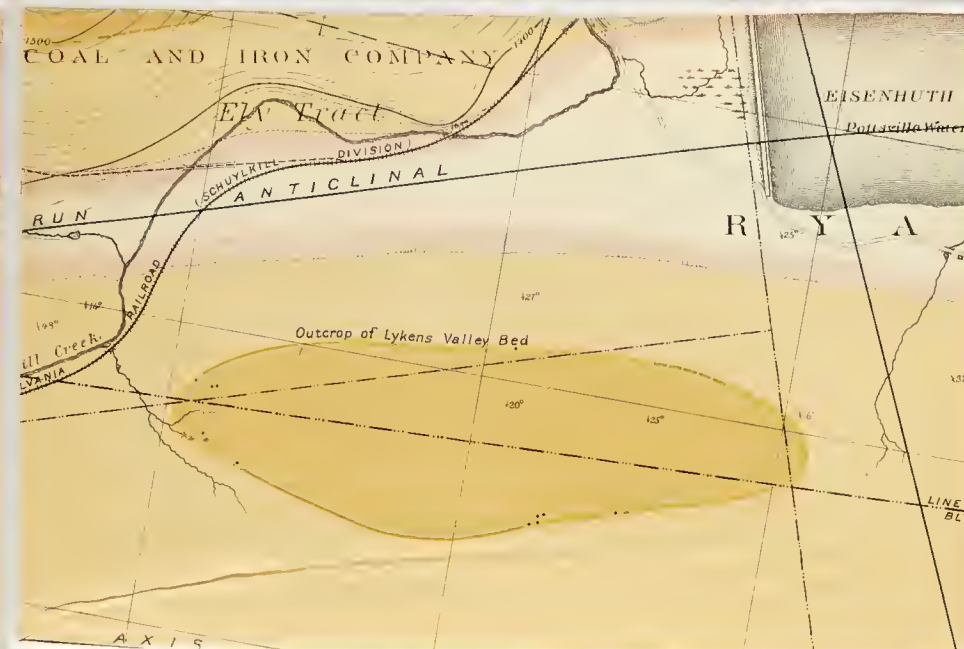
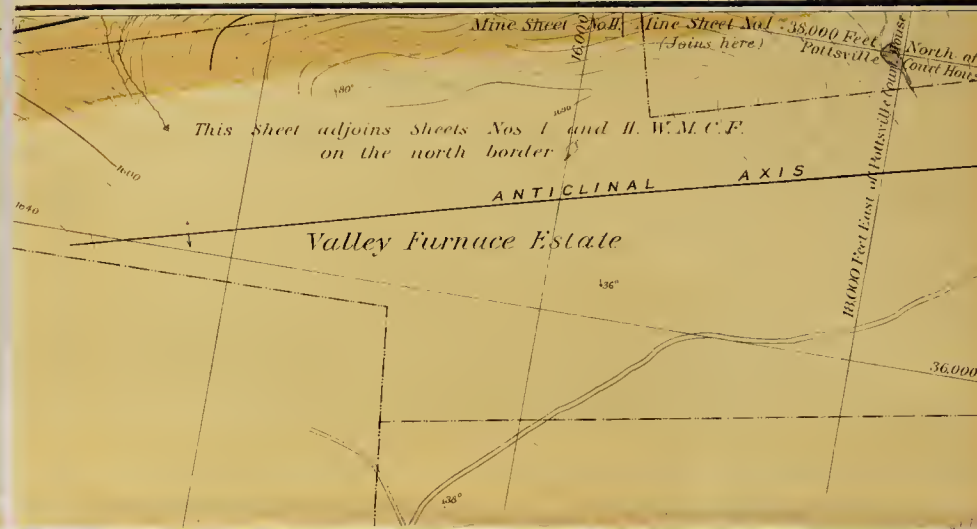
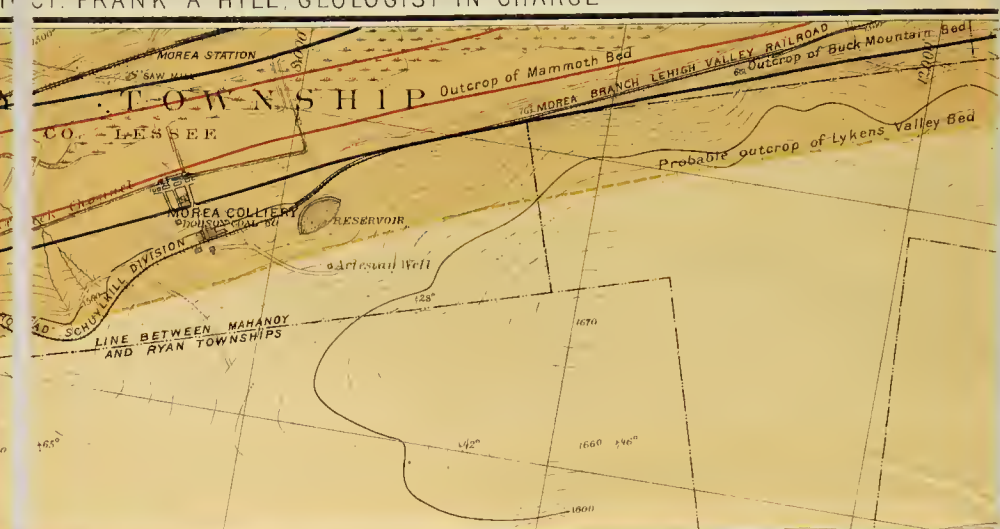
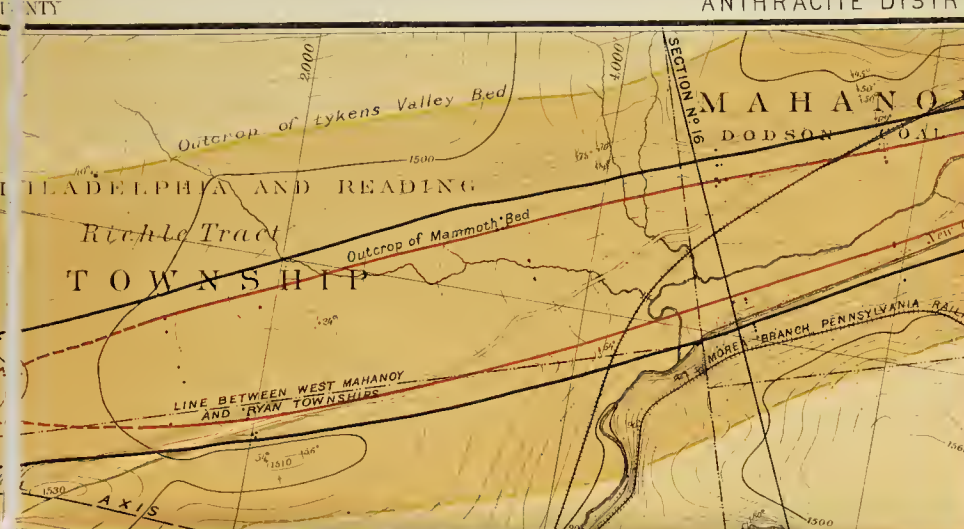
GEOLOGICAL SURVEY OF PENNSYLVANIA. J. P. LESLEY, STATE GEOLOGIST.
ANTHRACITE DISTRICT. FRANK A. HILL, GEOLOGIST IN CHARGE.

SOUTHERN COAL FIELD MINE SHEET No. VI

SECTION OF COAL MEASURES
MOREA SHEET
MOREA COLLIERY
DOOSON COAL CO.



Note
This section is according to
Mr. Ben Smith Lyman and is
published in his Report on the
New Britain and Morea Coal Lands
in Annual Report for 1887.



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1172 SOUTHERN AIRMOBILE FIELD PART 2. 1961. 10. 11. 1961.

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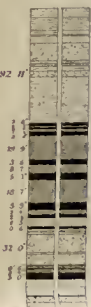
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DISTRICT FRANK A. HILL, GEOLOGIST IN CHARGE

SOUTHERN COAL FIELD MINE SHEET No. VII

BROAD MOUNTAIN AND HECKSCHERSVILLE BASINS, SCHUYLKILL COUNTY

SECTION OF COAL MEASURES
GORDON SHEET
BORE HOLE No. 2
2000' NORTH EAST OF HEAD
OF GORDON PLANE No. 2



- NOTES
- 1 The North and South Meridian and East and West are based on the true Meridian established by observation at the Potsville Court House.
 - 2 Material pointed in red relates to the Mammoth the Mauch Chunk Bed, Scale 28' N. C.
 - 3 With the exception of rock slopes and tunnels the contour lines are drawn from the verticality of Pennsylvania Railroad Company, to which 70 feet has been added to datum of the Philadelphia and Reading Railroad Company.
 - 4 The contour lines are drawn from the verticality of Pennsylvania Railroad Company, to which 70 feet has been added to datum of the Philadelphia and Reading Railroad Company.
- Legend:
- Shafts
 - Drainage
 - Property lines
 - County lines
 - Township lines
 - Ward lines
- This map was constructed from the surveys of the

Pennsylvania Railroad Company
Broad Mountain Coal Company
A. J. Wemelsdorf, Engineer of Mines
Philadelphia and Reading Coal & Iron Company
John and Son, Mining Engineers and Surveyors
Geologist
Scale Coal Beds
Indeterminate N-XII
Red Shale N-XI

Upper Lykens Valley Bed
Lower Lykens Valley Bed

Scale 100' = 1"

I. N. MORGAN ROTH
Robert Kinnear Tract
KEMBLE AND OTHERS
Killian May Tract

BUTLER TOWNSHIP

Approximate outcrop of Lowest Lykens Valley Bed

BARRY TOWNSHIP

P. & R. C. & I. CO.

Green Lands

Mauch Chunk Red Shale No. XI

CHARLES F. HORNBARGER

PHILADELPHIA AND READING COAL AND IRON COMPANY

POWDER

ANTICLINAL

Manhattan Lands

Approximate outcrop of Lowest Lykens Valley Bed

FOSTER TOWNSHIP

Green Lands

ANTHRACITE COAL CO.

P. & R. C. & I. CO.

CASS TOWNSHIP

Approximate outcrop of Buck Mountain Bed

P. & R. C. & I. CO.

Katharine Groh Tract

Outcrop of Mammoth ("Jugular") Bed

WORKINGS FROM RICHARDSON'S COLLIERY JUGULAR

ANTICLINAL (OVERTURNED)

A. DW. SMITH, Assistant Geologist
EDWARD F. KAPRBERG
CHARLES JONES
EDWIN M. REATLEY
LEONARD STODEN
FRANK SHAW
HOWELL ALTHOUSE

ASSISTANT

KEY TO SHEETS

JULIUS BIEN & CO. LITH.

Scale 1000 Feet to 1 Inch

JULY, 1889.

Head House Plane No. 1 3 59 Miles South of Potsville Court House
Latitude of Potsville Court House 40° 30' West
Longitude 75° 54' 10" East of Washington

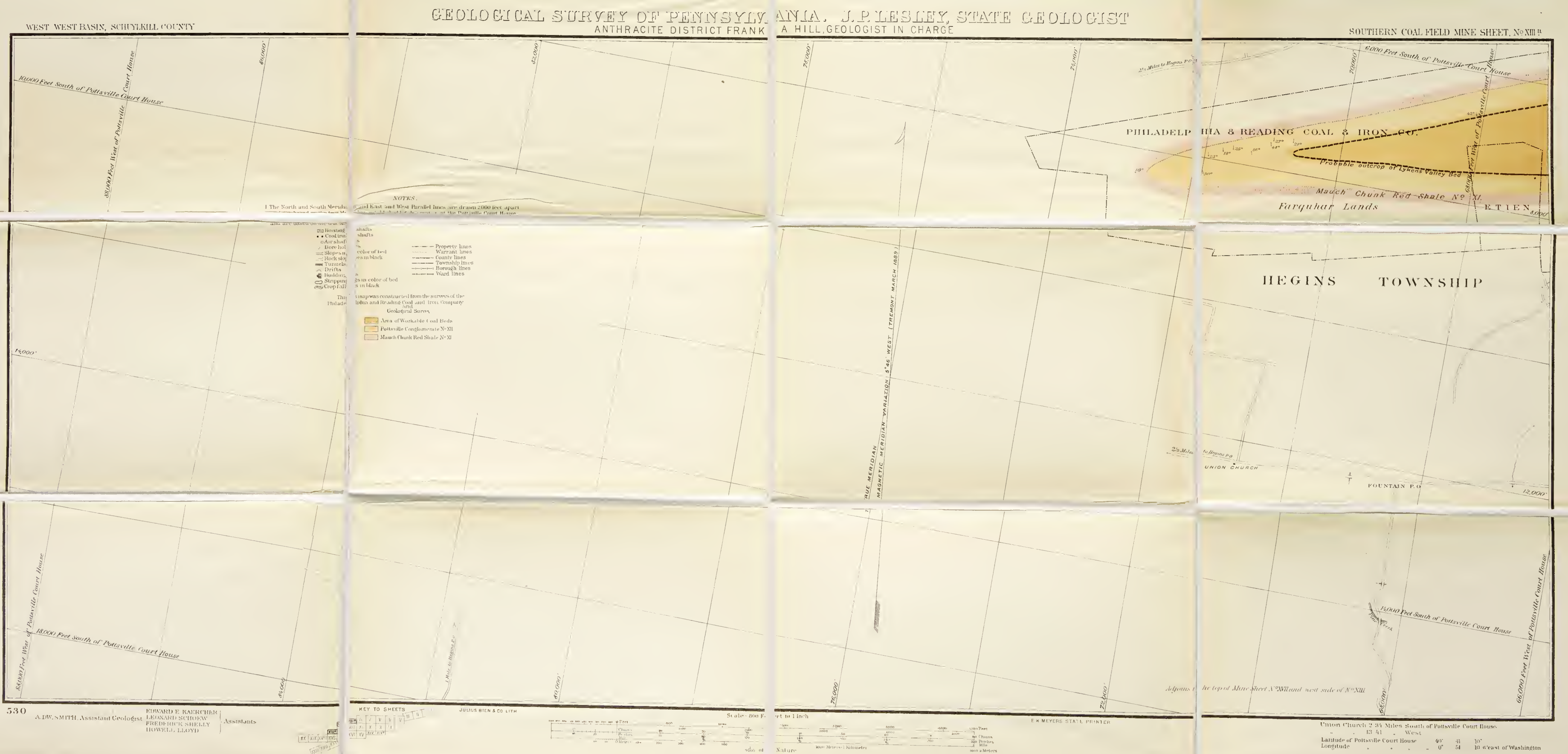
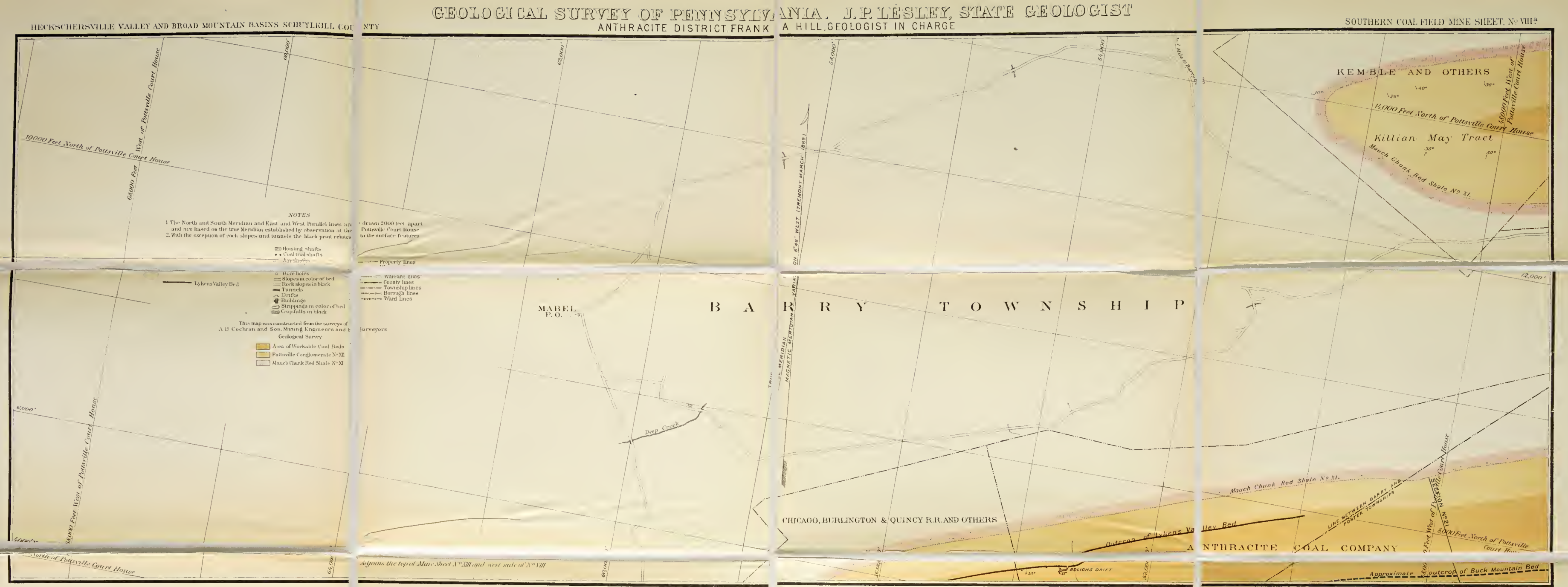
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THE SOUTHERN MATHEMATICAL PHIL. PART 2. SHEET NO. 1112. 6.





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ALLS SMITHSONIAN INSTITUTION FIELD

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ATLAS SOUTHERN AMERICAN FIELD 1931 2. WHITE SUBJECT NO. 44

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HECKSCHERSVILLE VALLEY AND BROAD MOUNTAIN BASINS SCHUYLKILL COUNTY

KILL COUNTY

BUTLER TOWNSHIP

This Sheet adjoins Sheets Nos II and III W.M.C.F. on the North border 27

SECTION OF COAL MEASURES
FRACKVILLE SHEET
PAYNES COLLIERY
P & R C & I. CO.

NOTES

- The North and South Meridian and East and West Parallel lines are drawn 900 feet apart and are based on the true Meridian established by observation at the Potomac Court House.
- All material printed in red relates to the Mammoth Bed with the exception of the outcrop of the top of the Mauch Chunk Red Shale No. XI.
- With the exception of the mine workings in the "Scott Street" bed rock slopes and tunnels the black print relates to the surface features.
- Where elevations are noted they are based on the datum, above Ocean level established by the Philadelphia and Reading Railroad Company.
- The contour lines are drawn in feet vertically apart and are based on the datum established by the Philadelphia and Reading Railroad Company.

Legend

- Church Bed
- Crosby Bed
- Leflar Bed
- Mauch Chunk Red Shale No. XI
- Mammoth Bed
- Marshall Bed
- Skidmore Bed
- Buck Mountain Bed
- Scott Street Bed
- Lykens Valley Bed

Property lines

Warrant lines

County lines

Township lines

Borough lines

Ward lines

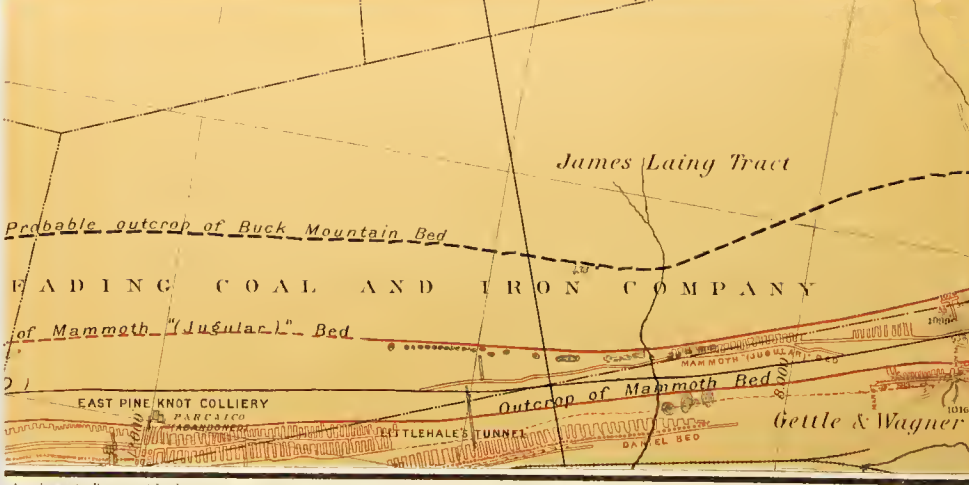
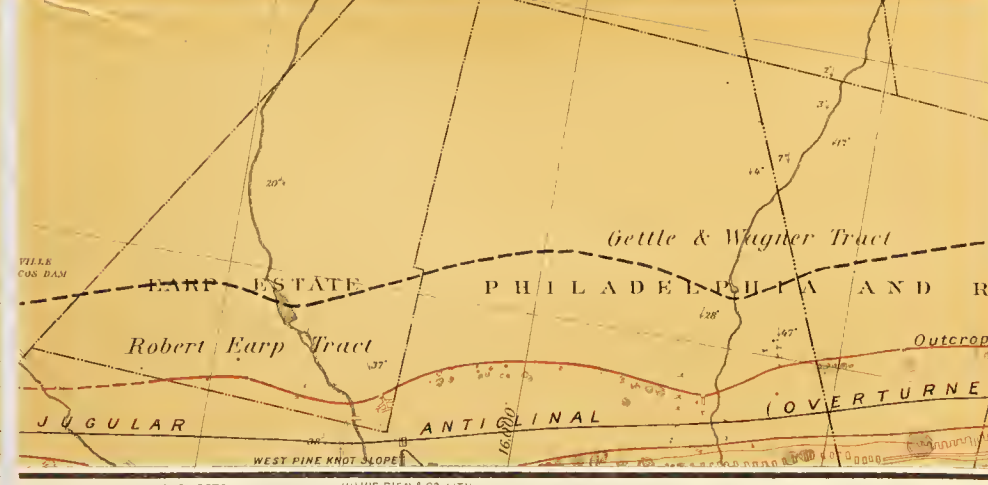
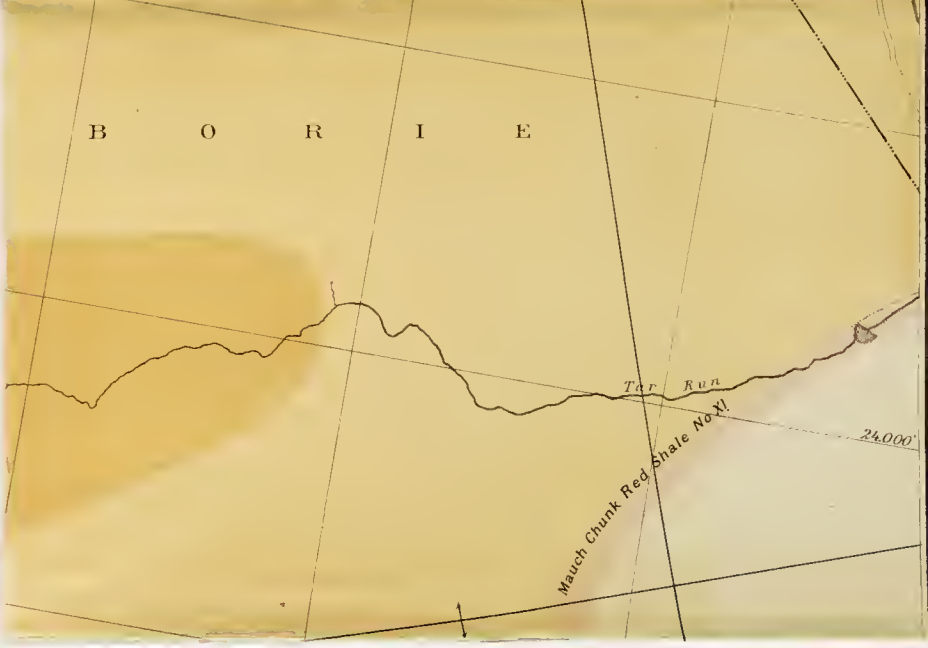
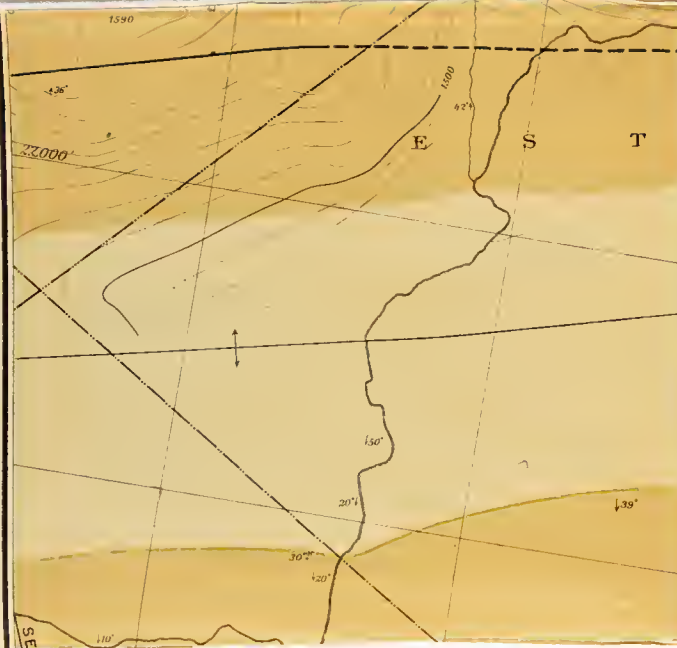
This map was constructed from the surveys of the Pennsylvania Railroad Company, Broad Mountain Coal Company, Philadelphia and Reading Coal and Iron Company, Potomac Water Company, A. J. Wondoloff, Engineer of Mines, Mr. Henry Russell, Geological Survey.

Area of Workable Coal Beds

Between Coudersport 3-XII

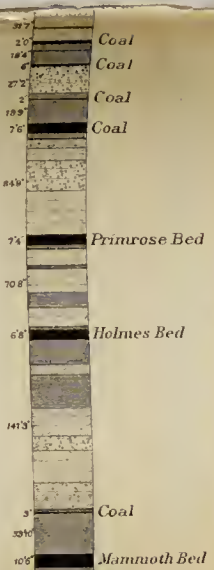
Mauch Chunk Red Shale No. XI

Scale 100' = 1"



GEOLOGICAL SURVEY OF PENNSYLVANIA, J. P. LESLEY, STATE GEOLOGIST
ANTHRACITE DISTRICT, FRANK A. HILL, GEOLOGIST IN CHARGE

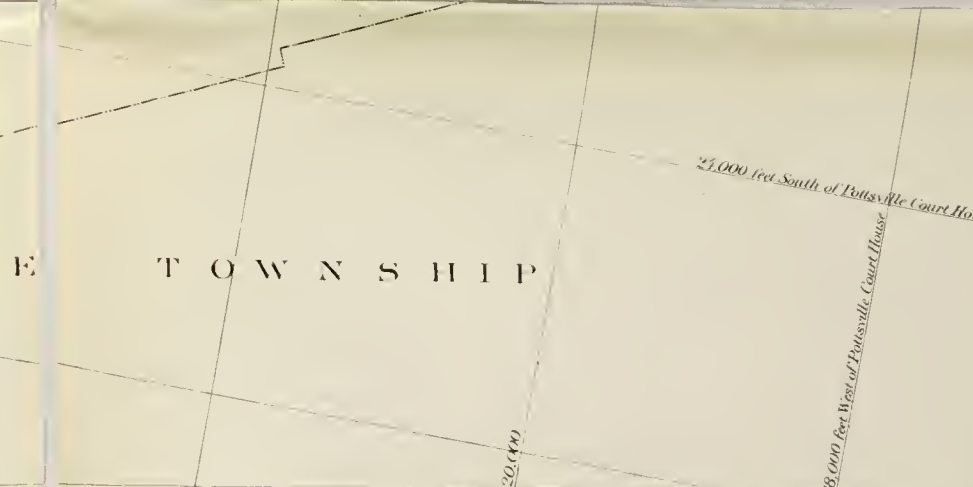
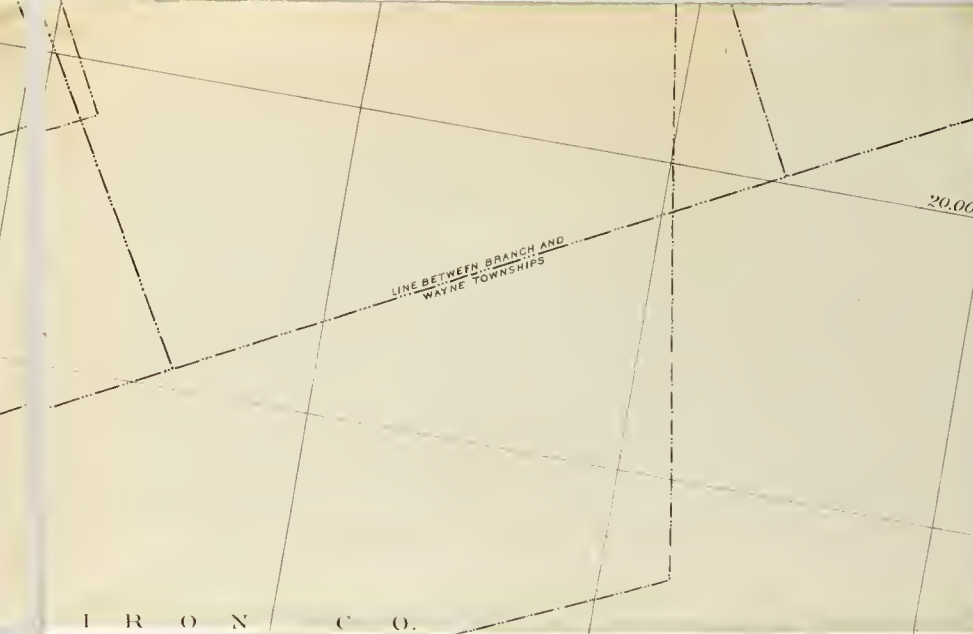
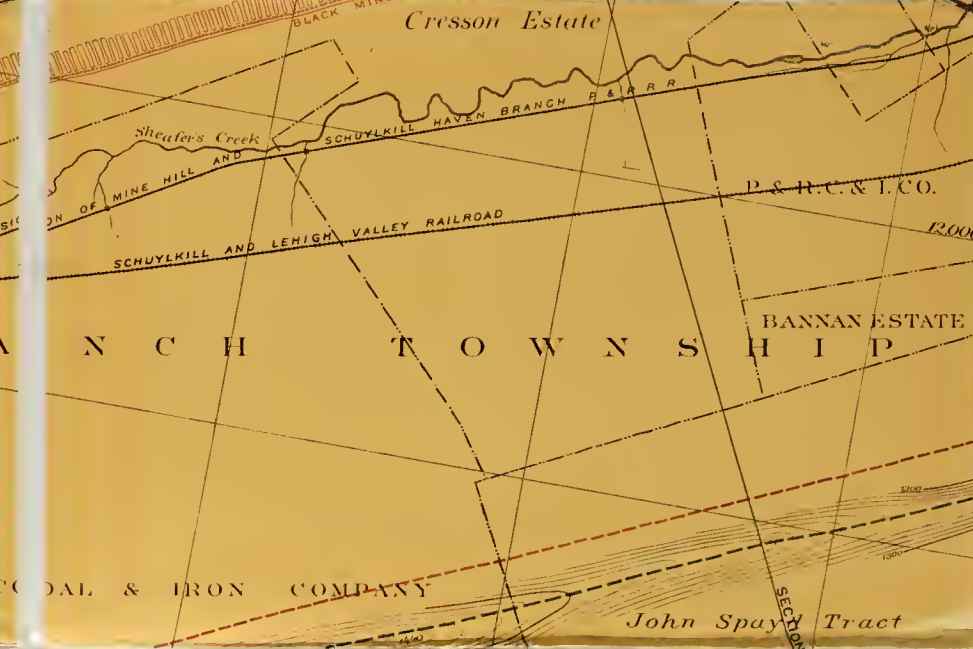
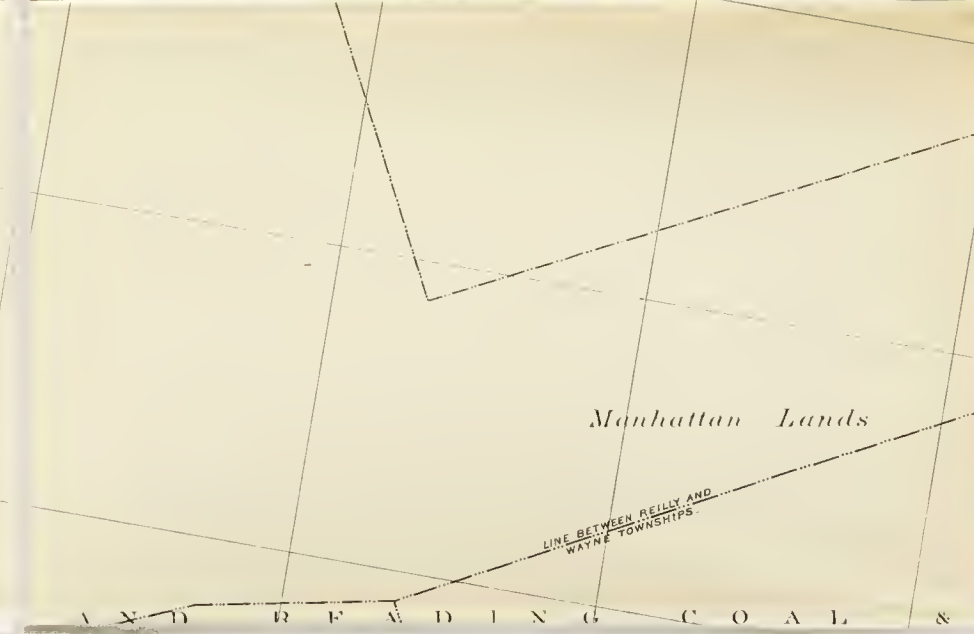
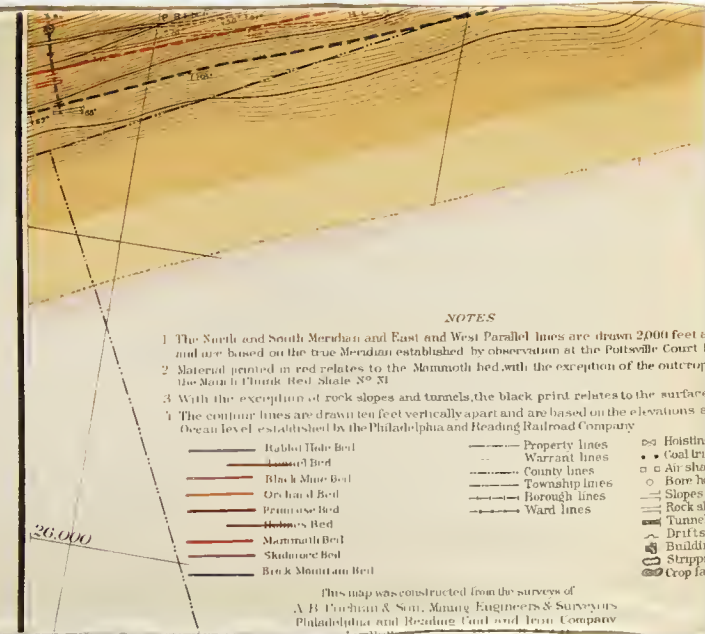
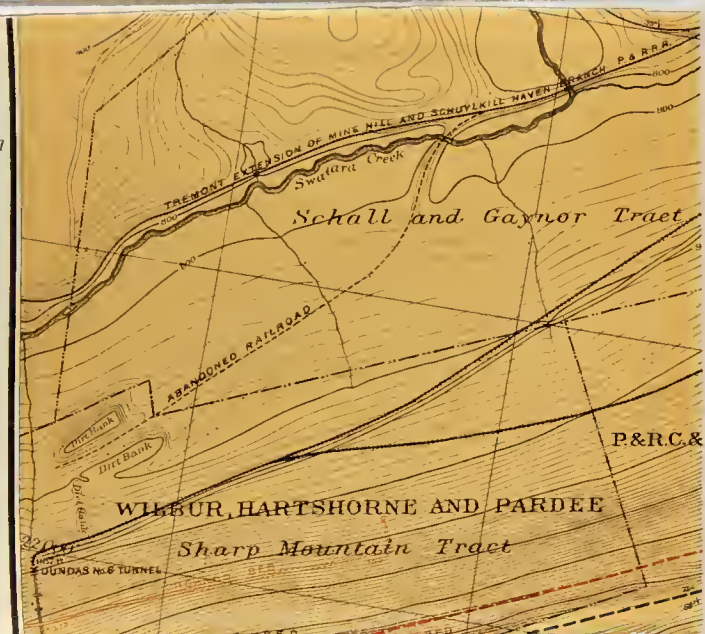
A vertical geological column showing stratigraphic layers. From top to bottom, the layers are: a thick bed of alternating light and dark horizontal bands; a thin bed labeled '130' 4'; a thin bed labeled '87'; a thick bed labeled 'Little Orchard Bed'; a thin bed labeled '53' 4'; a thin bed labeled '8'; a thin bed labeled 'Coal'; a thin bed labeled 'Coal'; a thin bed labeled '12' 5'; a thin bed labeled '49' 5'; a thin bed labeled '35'; a thin bed labeled 'Orchard Bed'; and a thin bed labeled '28' 4'.



51' Skidmore Bed

95' Buck Mountain Bed

Scale 100' 1"



MISSISSIPPIAN ANTHRACITE FIELD

PART 2

PLATE SHEET NO. XXV, 1914

A A.

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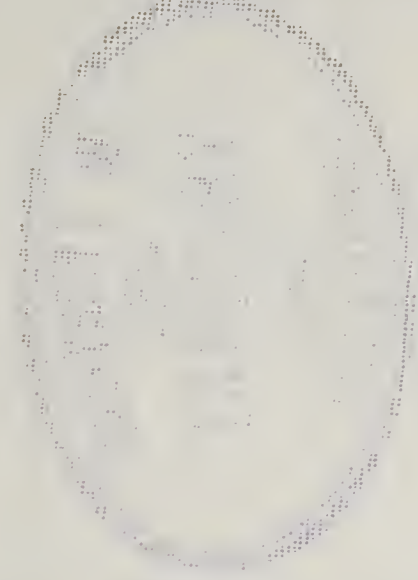
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Geol.

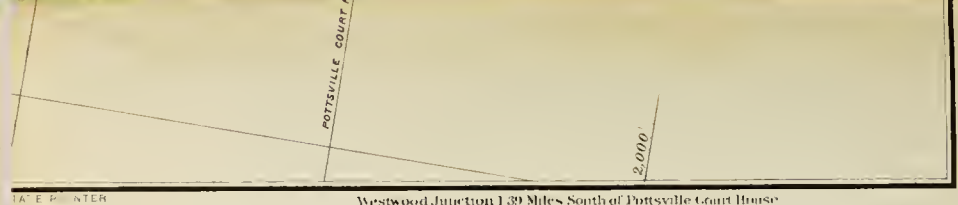
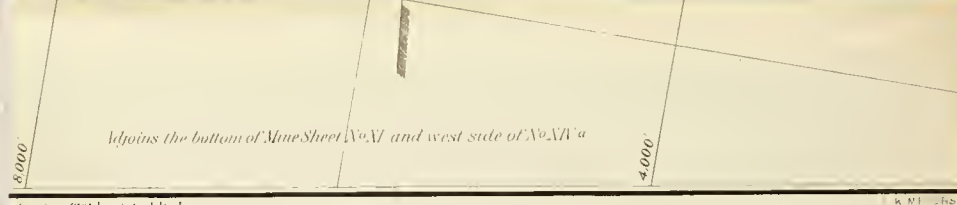
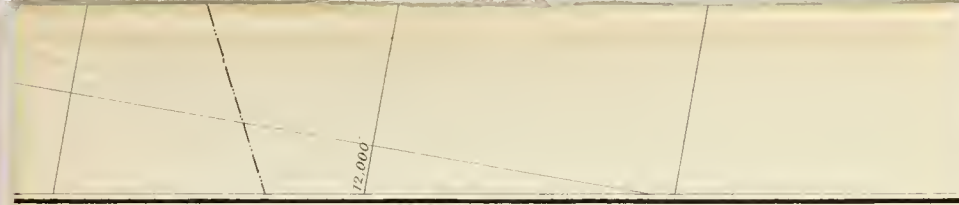
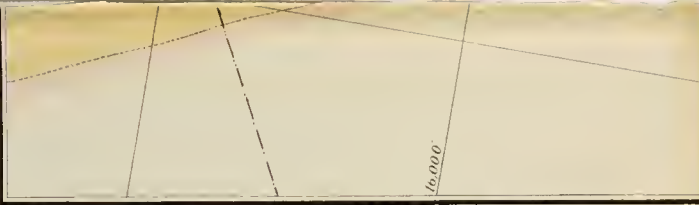
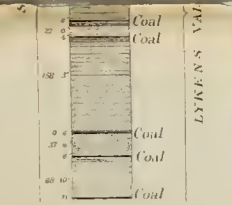
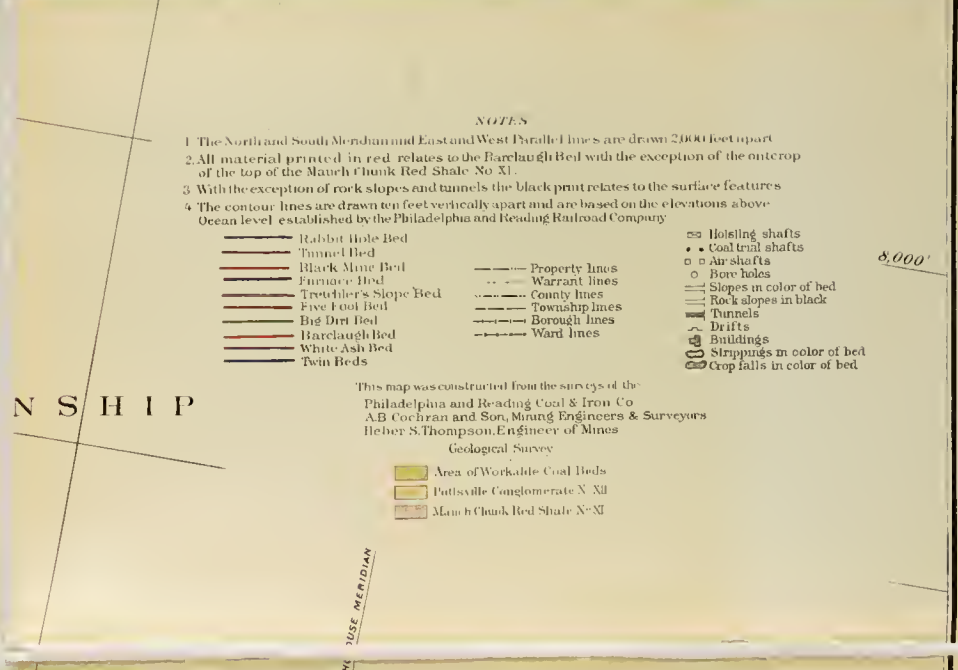
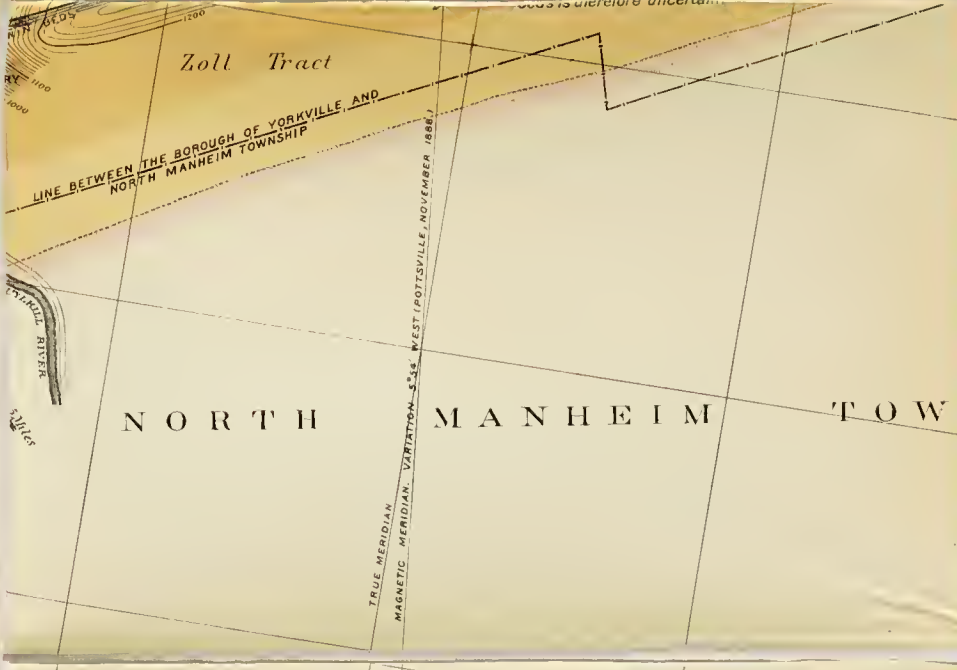
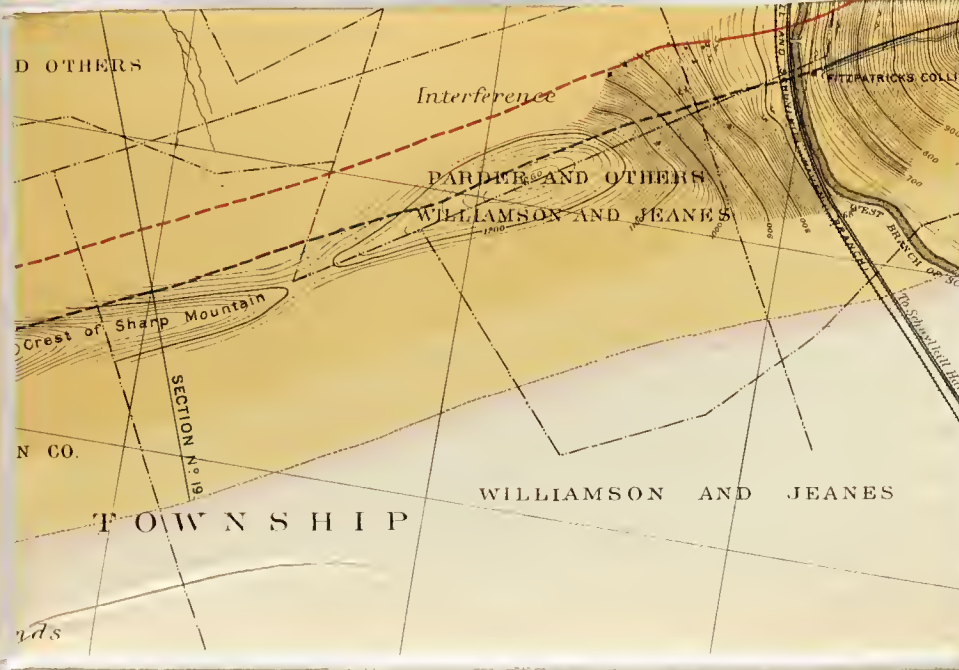
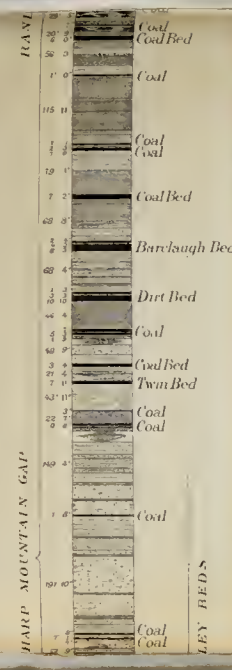
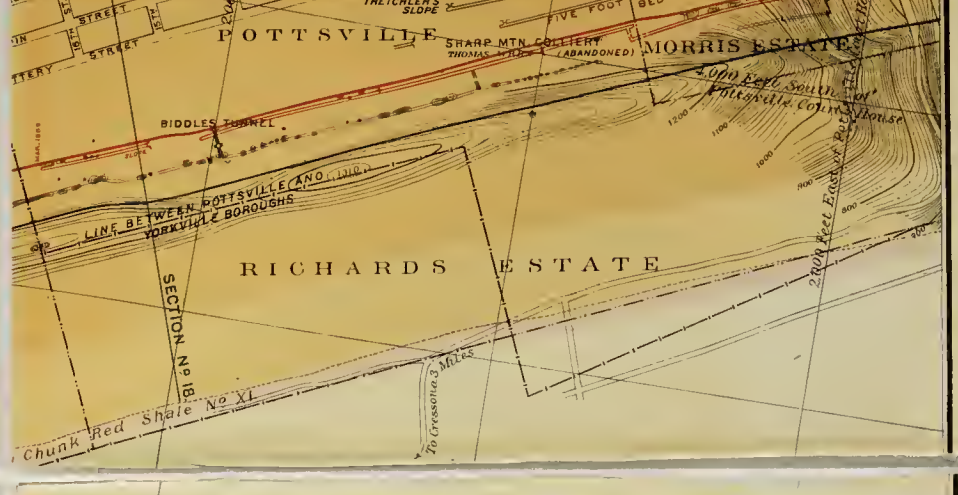
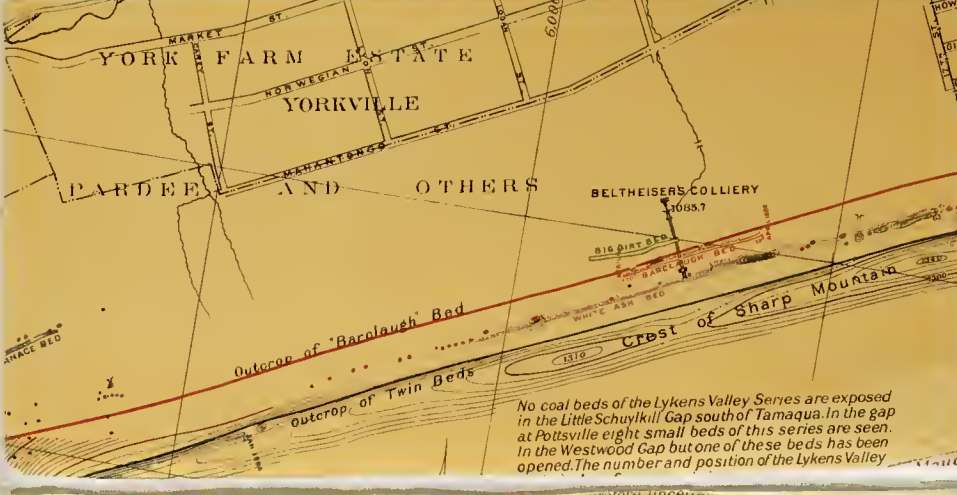
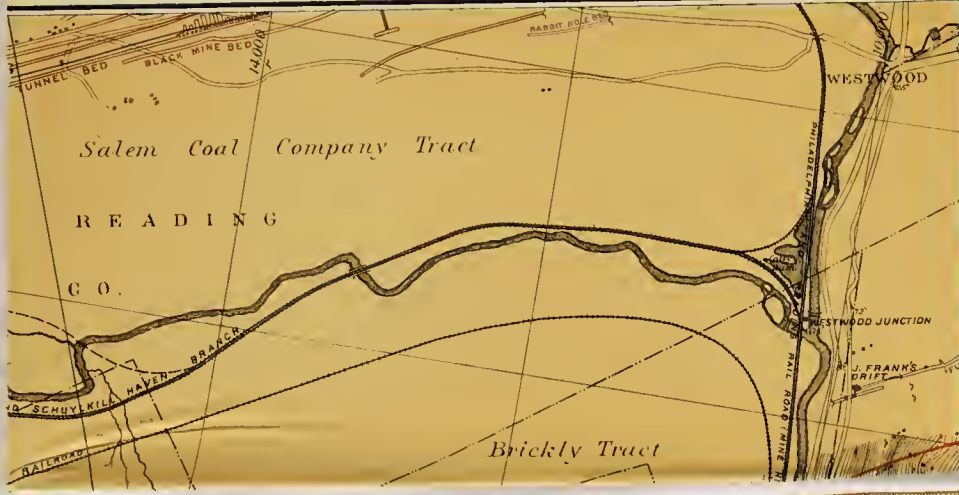
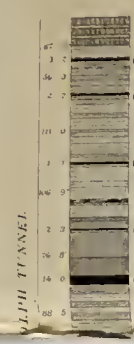


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GEOLOGICAL SURVEY OF PENNSYLVANIA. J. P. LESLEY, STATE GEOLOGIST
ANTHRACITE DISTRICT. FRANK A. HILL, GEOLOGIST IN CHARGE

POTTSVILLE AND WEST WEST BRANCH BASINS, SCHUYLKILL COUNTY

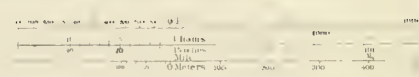
SECTION OF COAL MEASURES
POTTSVILLE GAP SHEET.
RANDOLPH TUNNEL
AND
SHARP MOUNTAIN GAP.



- NOTES
- 1 The North and South Meridian and East and West Parallel lines are drawn 2000 feet apart.
 - 2 All material printed in red relates to the Barclaugh Bed with the exception of the outcrop of the top of the Mauch Chunk Red Shale No. XI.
 - 3 With the exception of rock slopes and tunnels the black print relates to the surface features.
 - 4 The contour lines are drawn on feet vertically apart and are based on the elevations above Ocean level established by the Philadelphia and Reading Railroad Company.
- Legend:
- Tunnel Bed
 - Black Mine Bed
 - Farming Bed
 - Tract's Slope Bed
 - Free Soil Bed
 - Bed Ore Bed
 - Barclaugh Bed
 - White Ash Bed
 - Twin Beds
 - Property lines
 - Warrant lines
 - County lines
 - Township lines
 - Borough lines
 - Ward lines
 - Holding shafts
 - Coal trial shafts
 - Air shafts
 - Rock holes
 - Slopes in color of bed
 - Rock slopes in black
 - Tunnels
 - Drifts
 - Buildings
 - Strippings in color of bed
 - Crop hills in color of bed
- This map was constructed from the surveys of the Philadelphia and Reading Coal & Iron Co. A. B. Cochran and Son, Mining Engineers & Surveyors, Heber S. Thompson, Engineer of Mines, Geological Survey.
- Area of Workable Coal Beds:
Pottsville Conglomerate No. XII
Mauch Chunk Red Shale No. XI

A. DW. SMITH, Assistant Geologist
CHARLES JONES, EDWIN M. REVELLY, HOWELL T. FISHER, C. FRANK STAY, CHARLES WRIGHT, Assistants

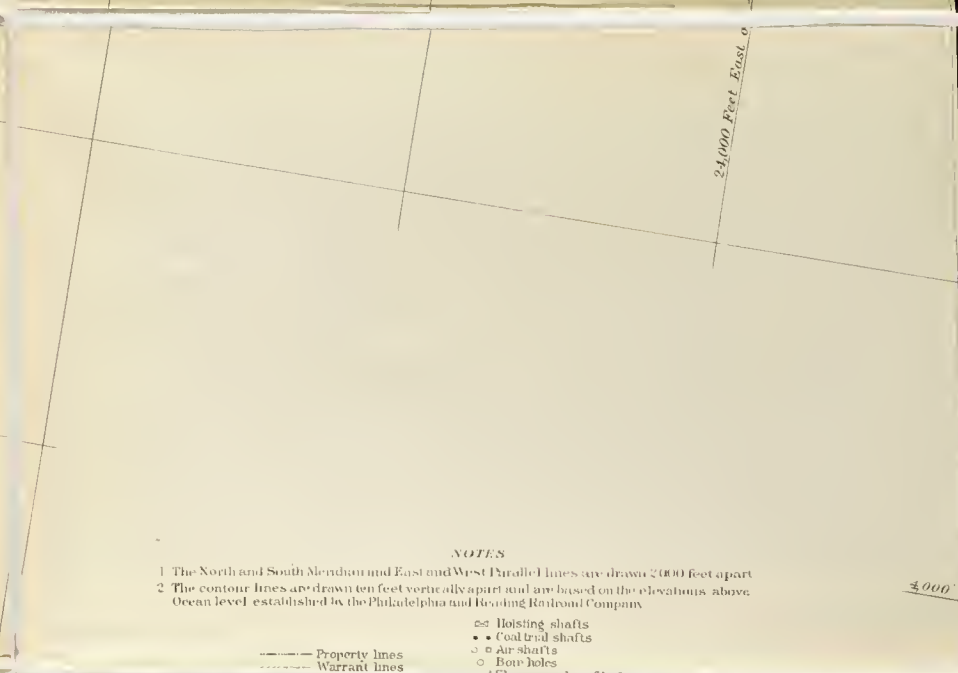
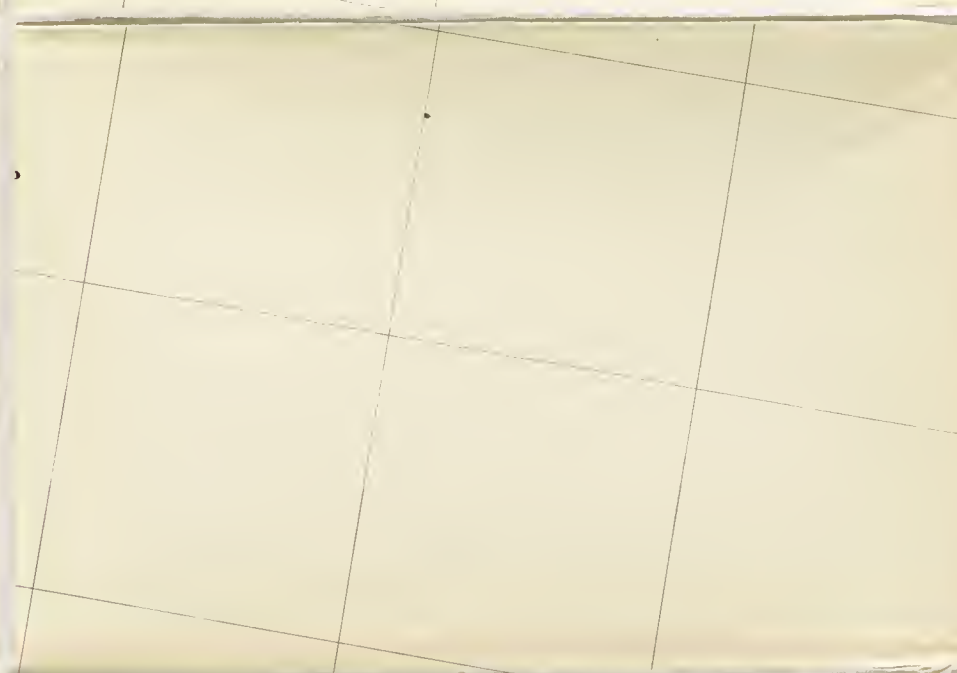
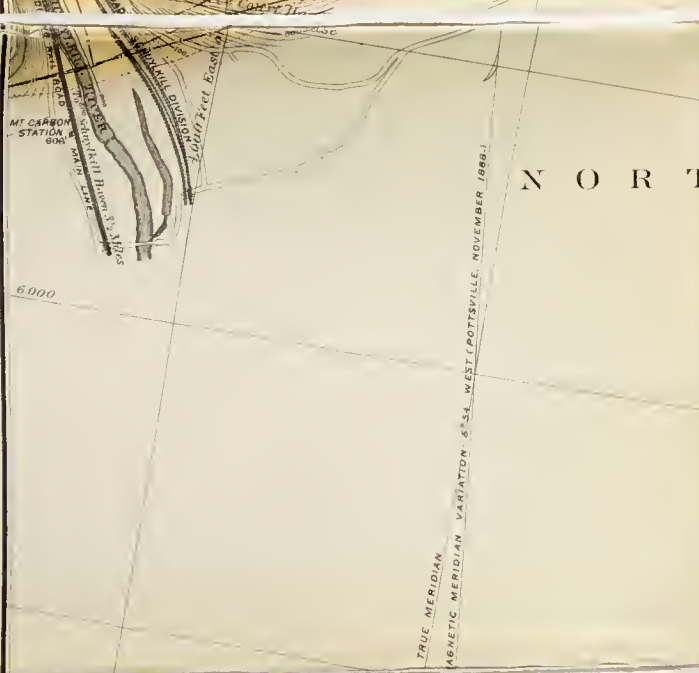
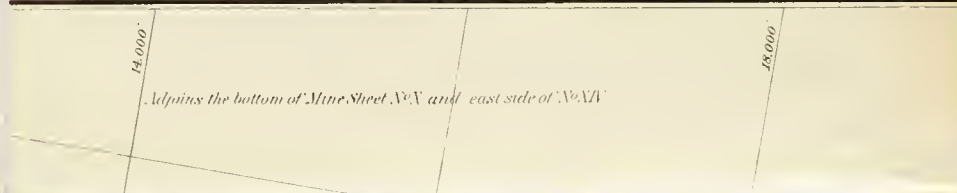
KEY TO SHEETS



Scale: 1 inch = 1000 feet
JANUARY 1889

Westwood Junction 1.39 Miles South of Pottsville Court House
Latitude Pottsville Court House
Longitude

POTTSVILLE BASIN, SCHUYLKILL COUNTY



- NOTES
- 1 The North and South Meridian and East and West Parallel lines are drawn 2000 feet apart.
 - 2 The contour lines are drawn on feet vertically apart and are based on the elevations above Ocean level established by the Philadelphia and Reading Railroad Company.
- Legend:
- Property lines
 - Warrant lines
 - County lines
 - Township lines
 - Borough lines
 - Ward lines
 - Holding shafts
 - Coal trial shafts
 - Air shafts
 - Rock holes
 - Slopes in color of bed
 - Rock slopes in black
 - Tunnels
 - Drifts
 - Buildings
 - Strippings in color of bed
 - Crop hills in color of bed
- This map was constructed from the surveys of the Geological Survey.
- Area of Workable Coal Beds:
Pottsville Conglomerate No. XII
Mauch Chunk Red Shale No. XI

A. DW. SMITH, Assistant Geologist
ROBERT A. QUIN, EDWIN M. REVELLY, HOWELL T. FISHER, Assistants

KEY TO SHEETS



Scale: 1 inch = 1000 feet
JANUARY 1889

Mount Carbon Station 1.64 RRH - 3.0 Miles South of Pottsville Court House
Latitude Pottsville Court House
Longitude

ATLAS OF THE ANTHROPOLOGICAL MUSEUM. PART I. THE SKULLS AND THE

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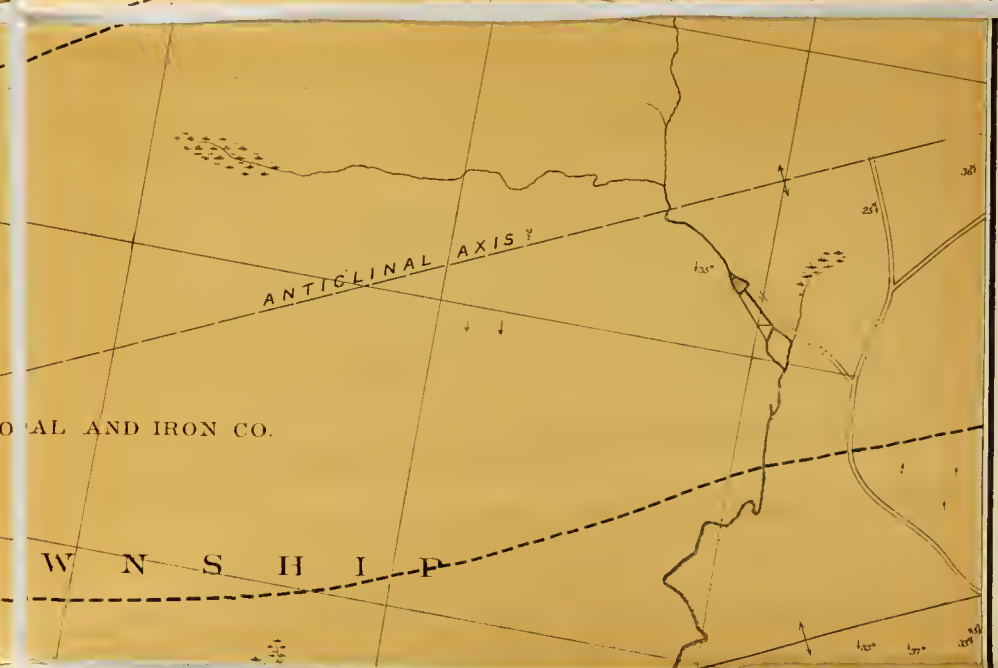
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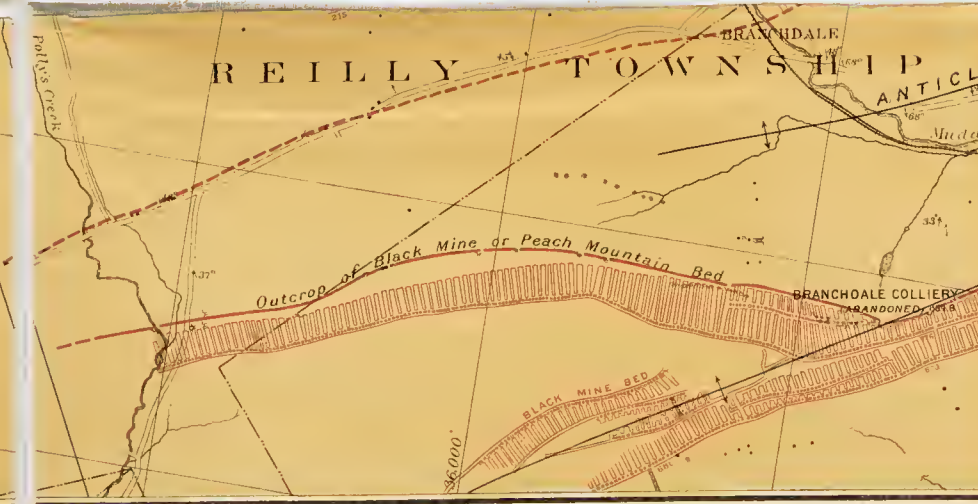
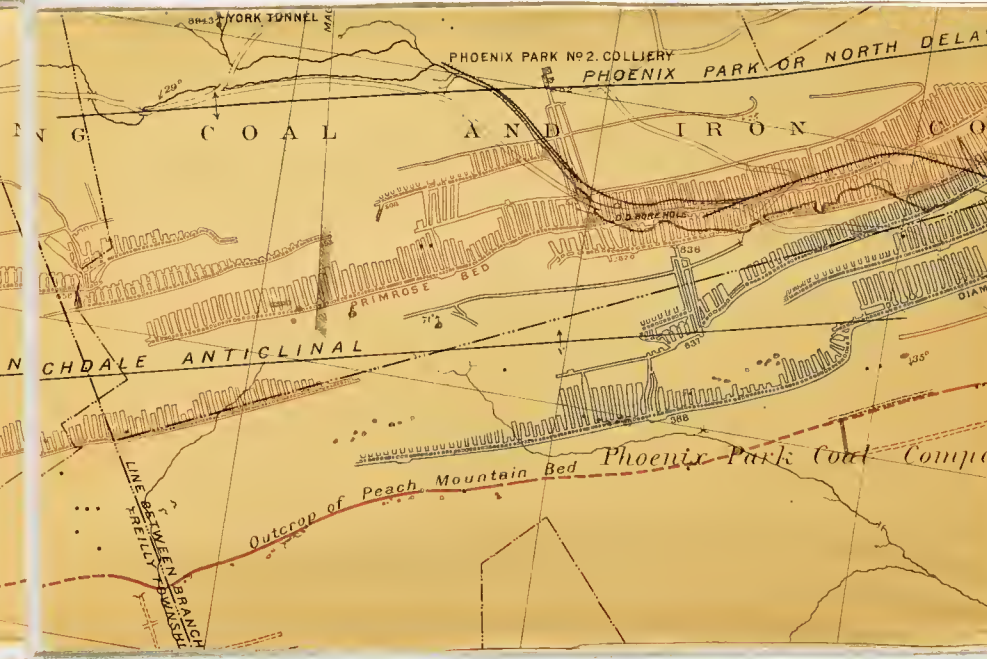
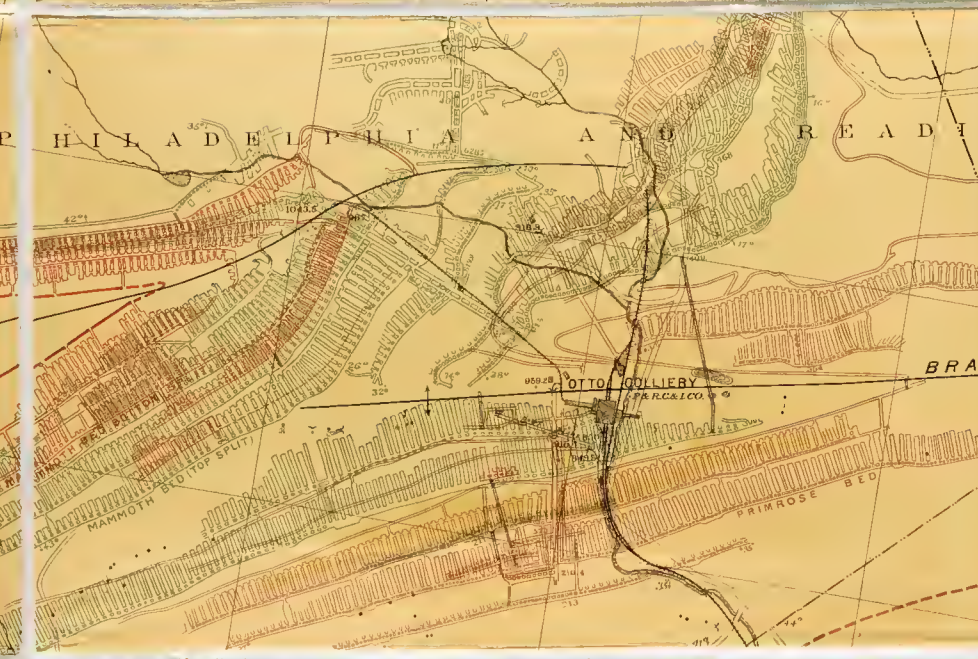
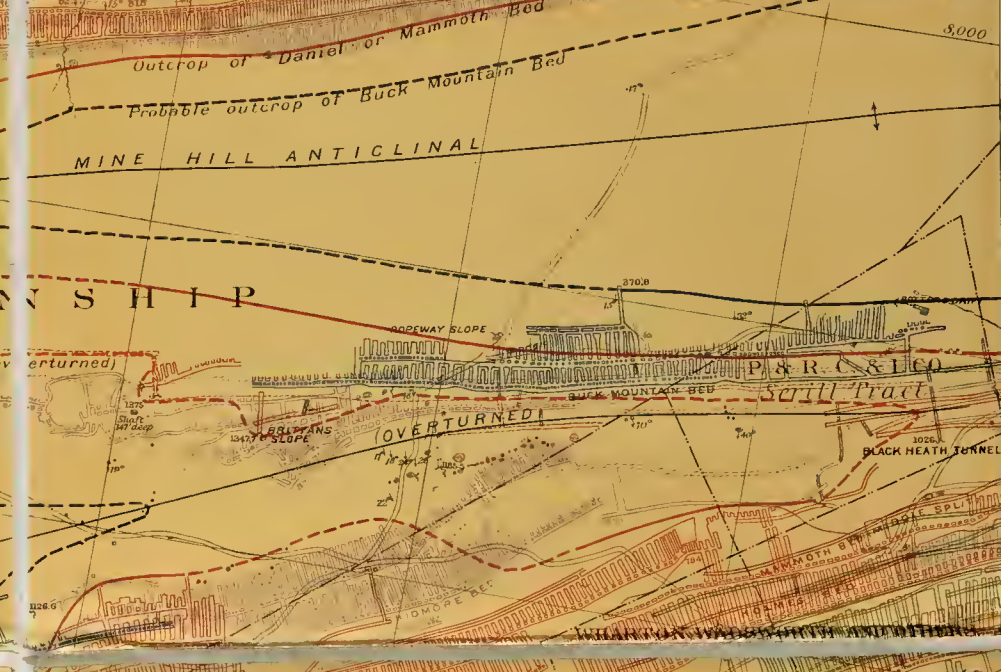
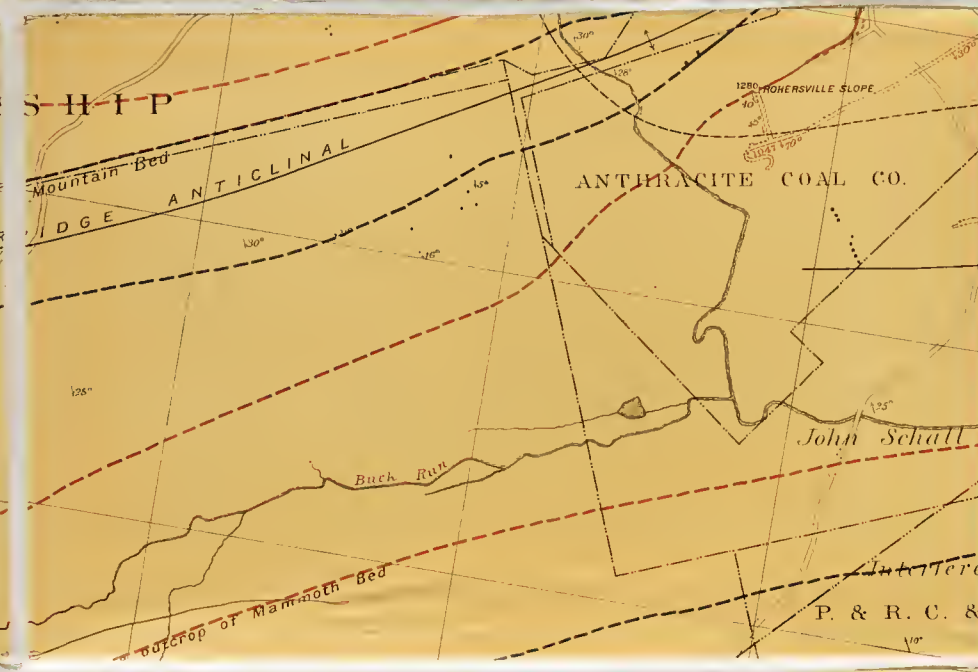
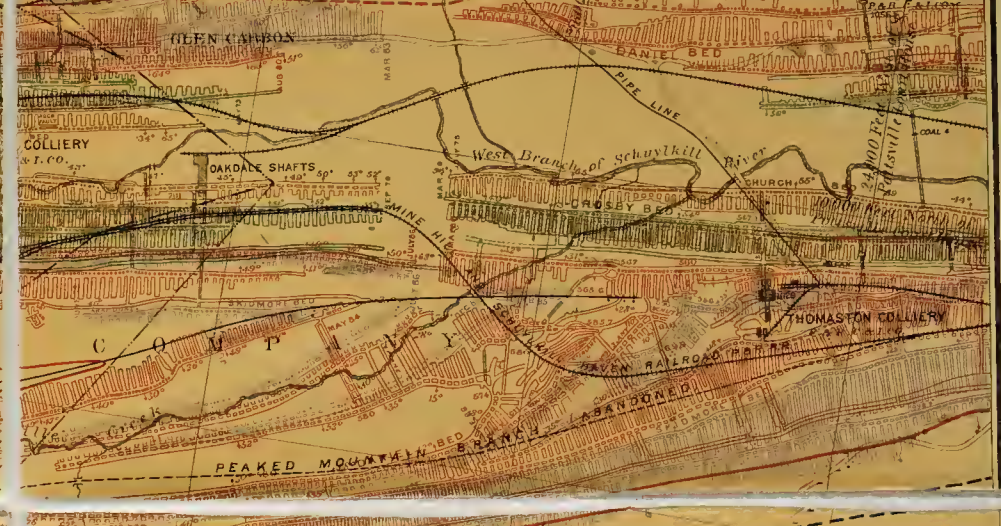
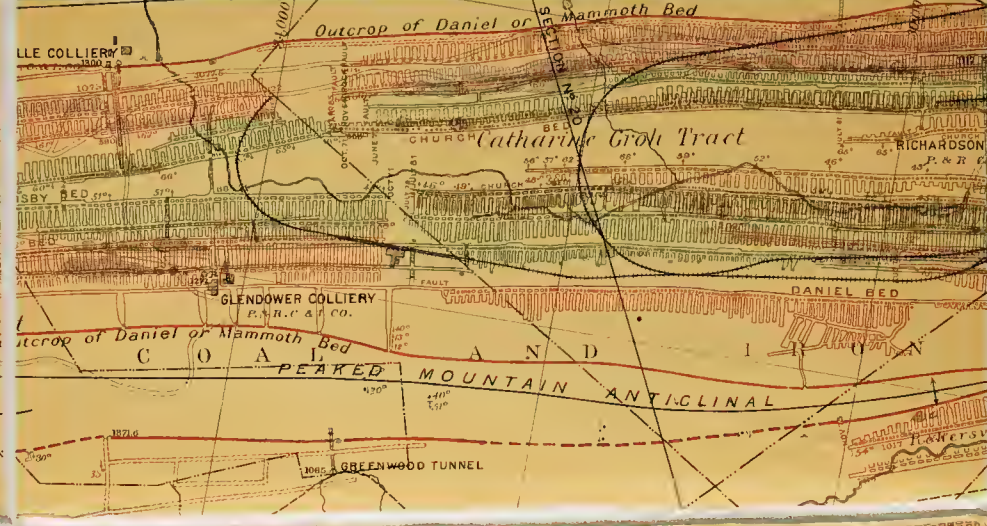
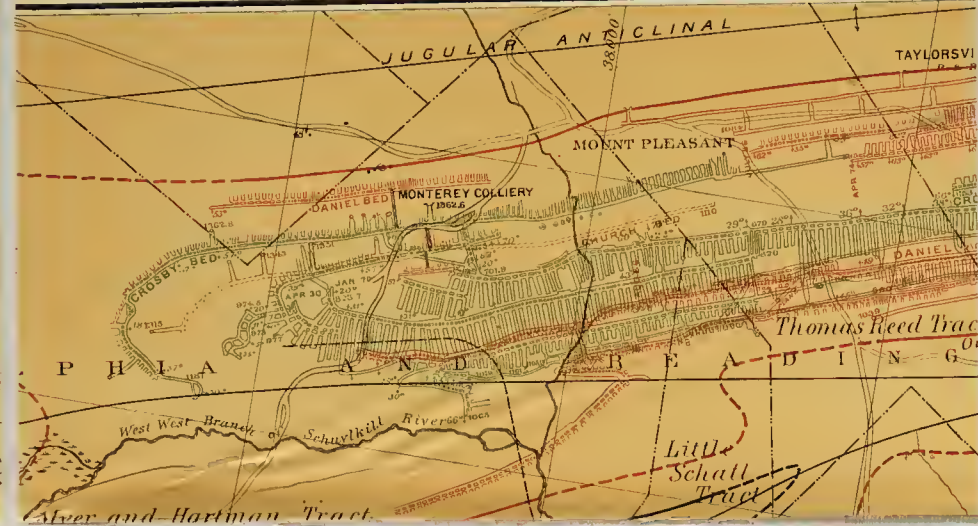
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Scale 100'-1"



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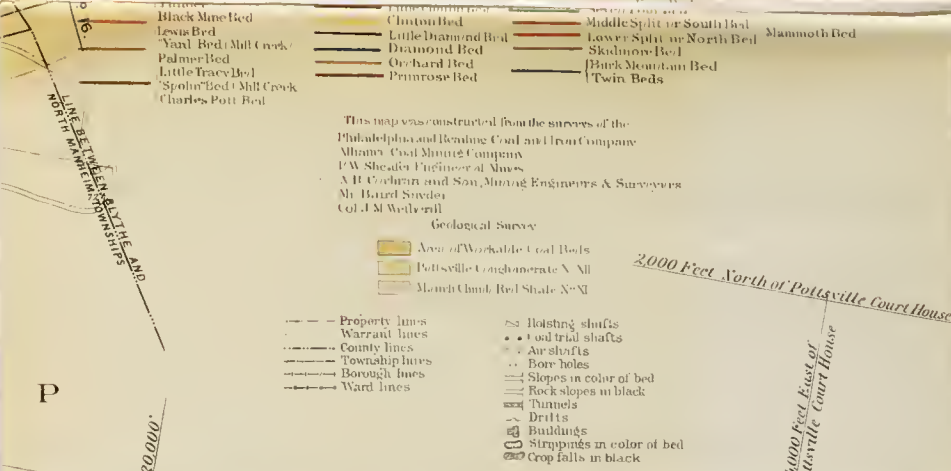
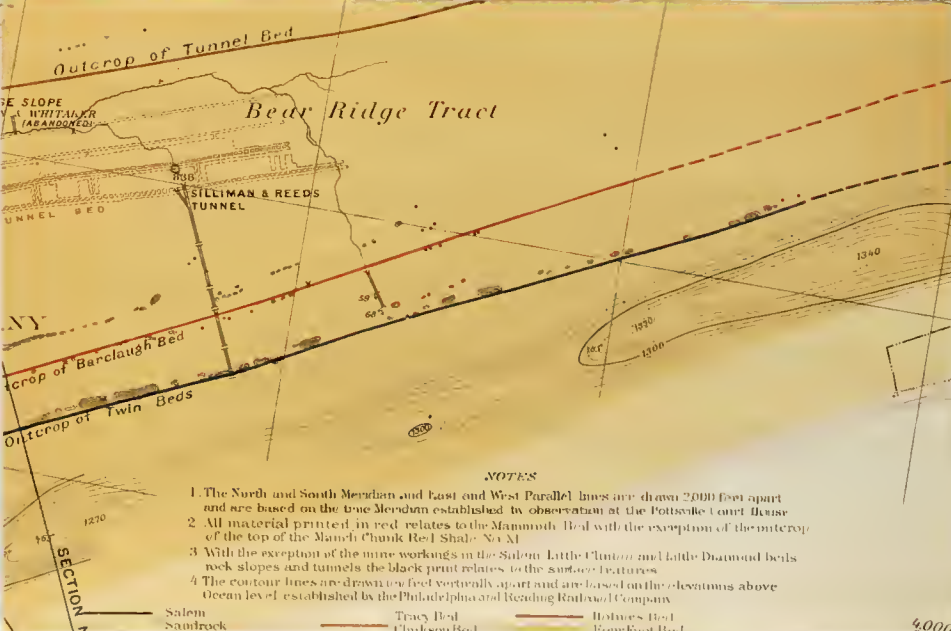
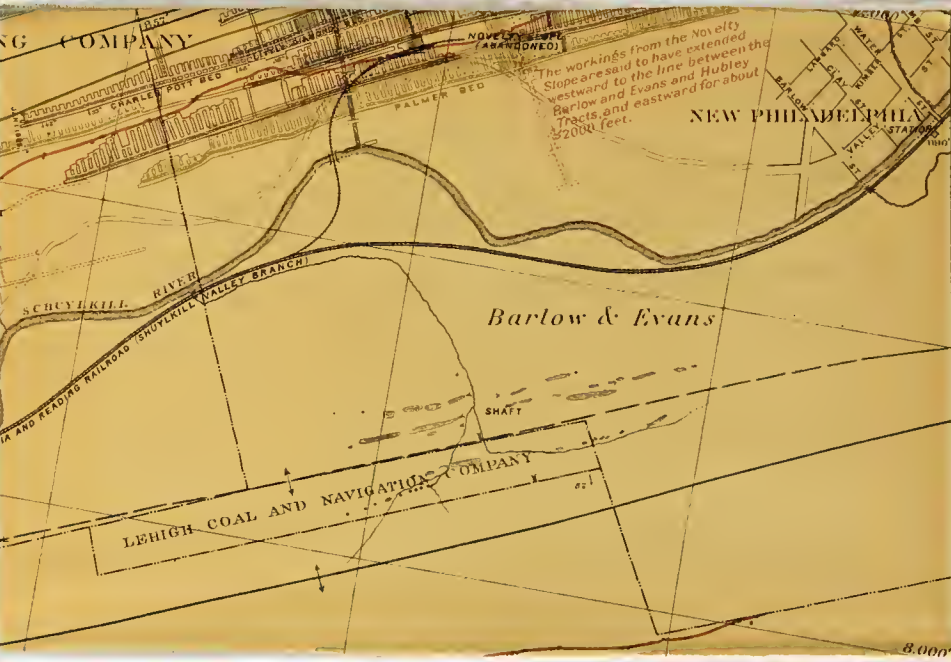
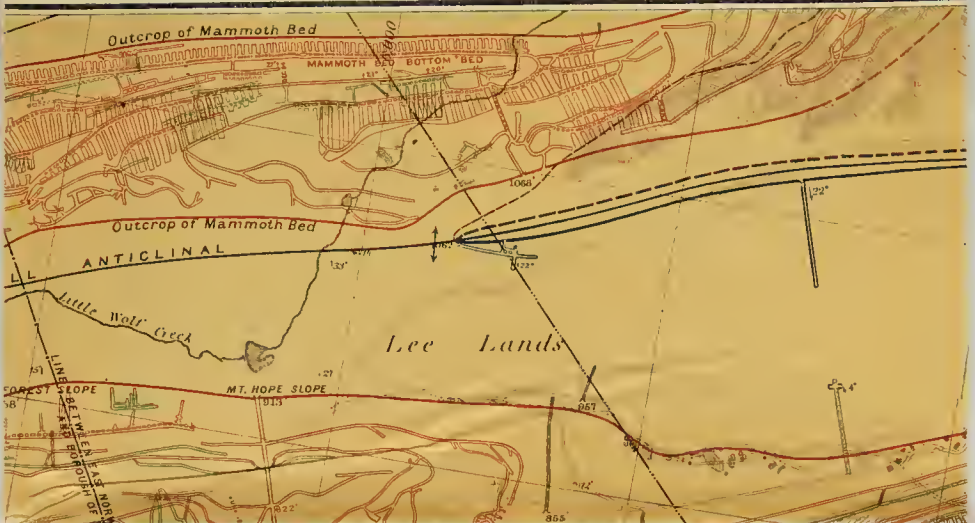
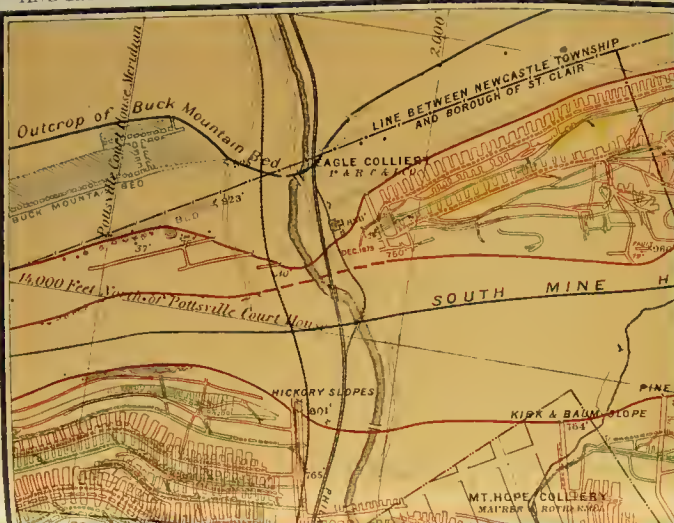
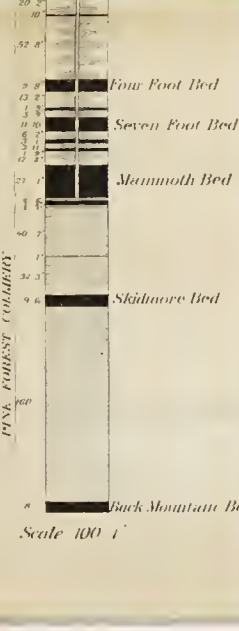
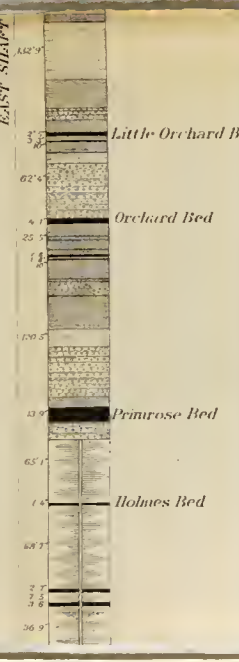
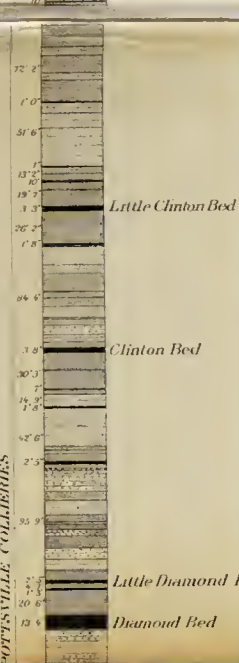
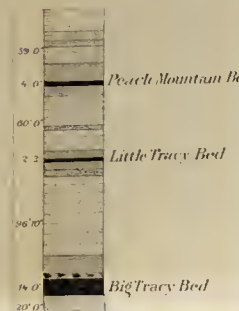
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BASINS OF THE SCHUYLKILL MILL CREEK } SCHUYLKILL COUNTY

SECTION OF COAL MEASURE
POTTSVILLE EAST SHEET
POTTSVILLE EAST SHAFT
AND
PINE FOREST COLLIERY
P. & R. C. & I. CO



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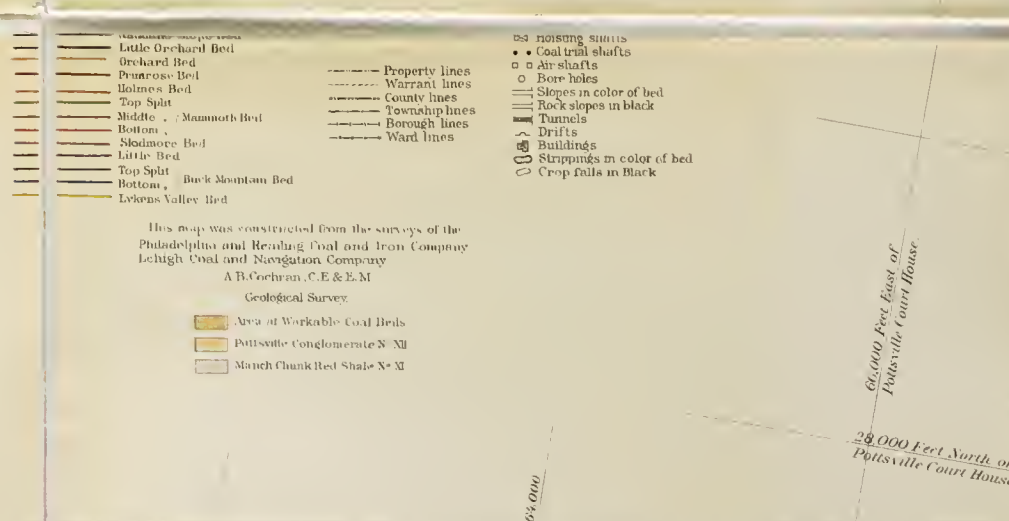
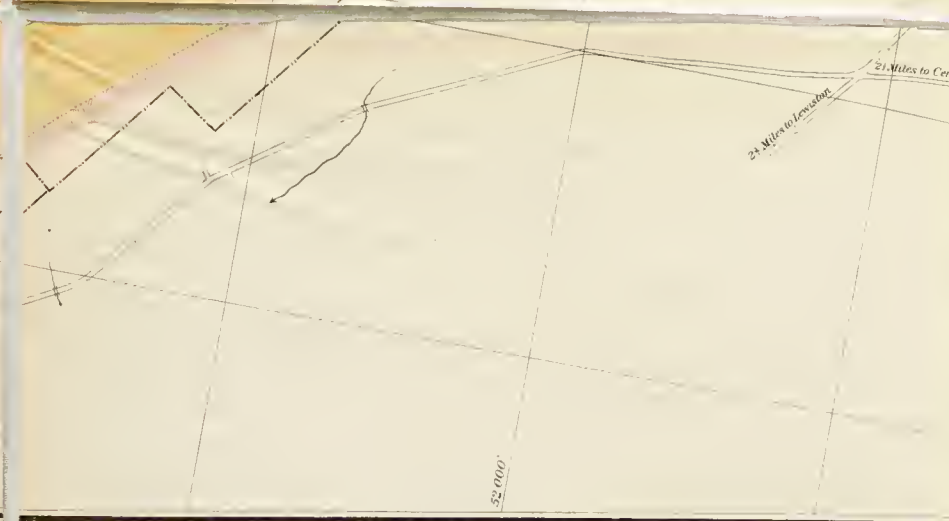
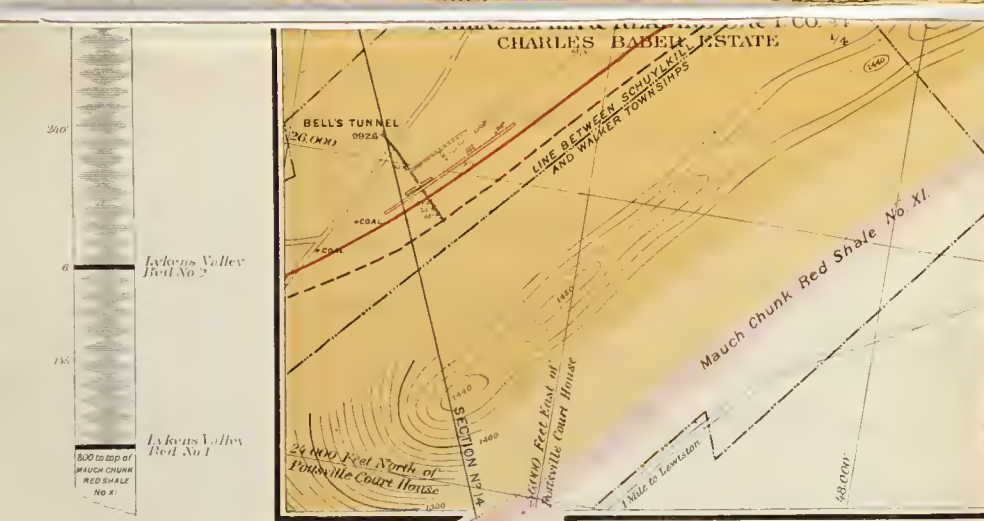
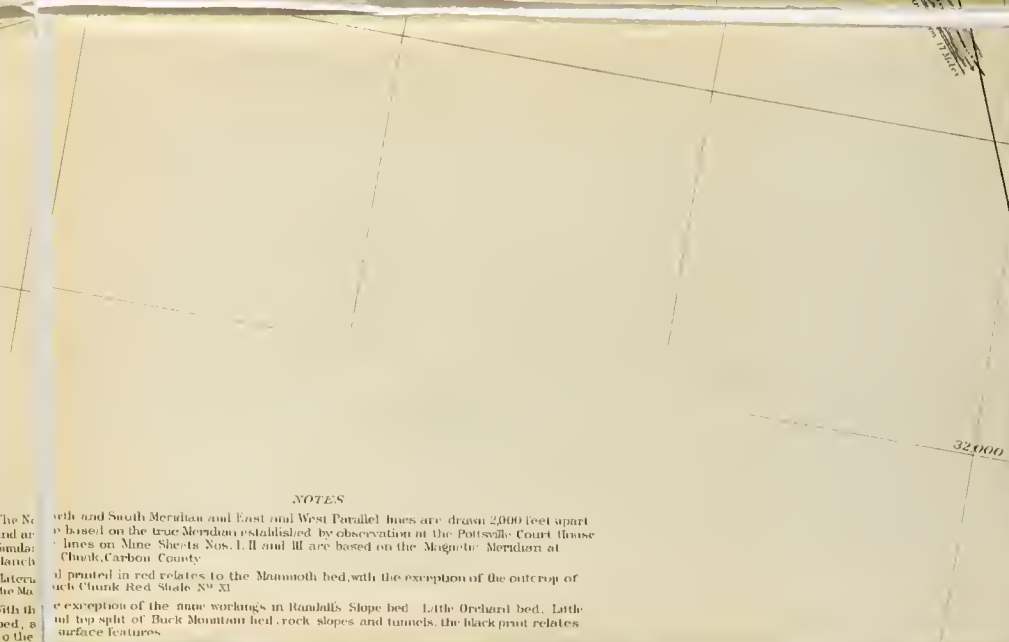
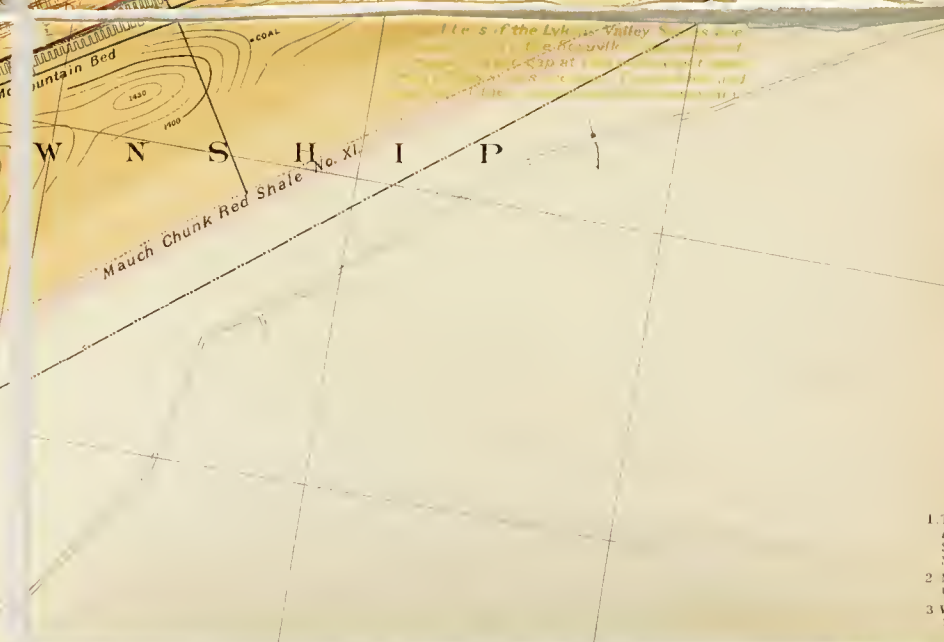
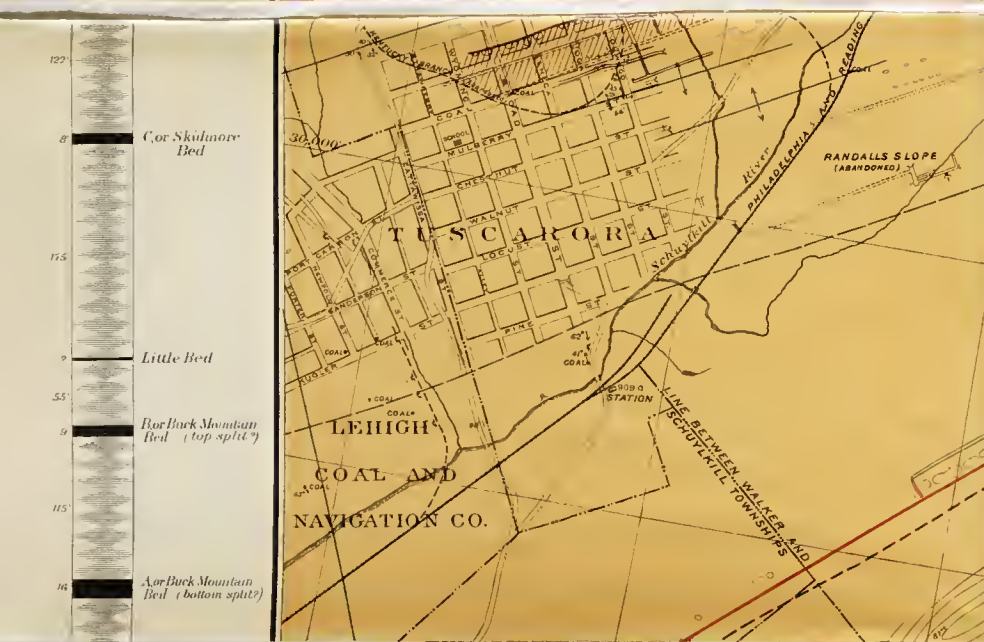
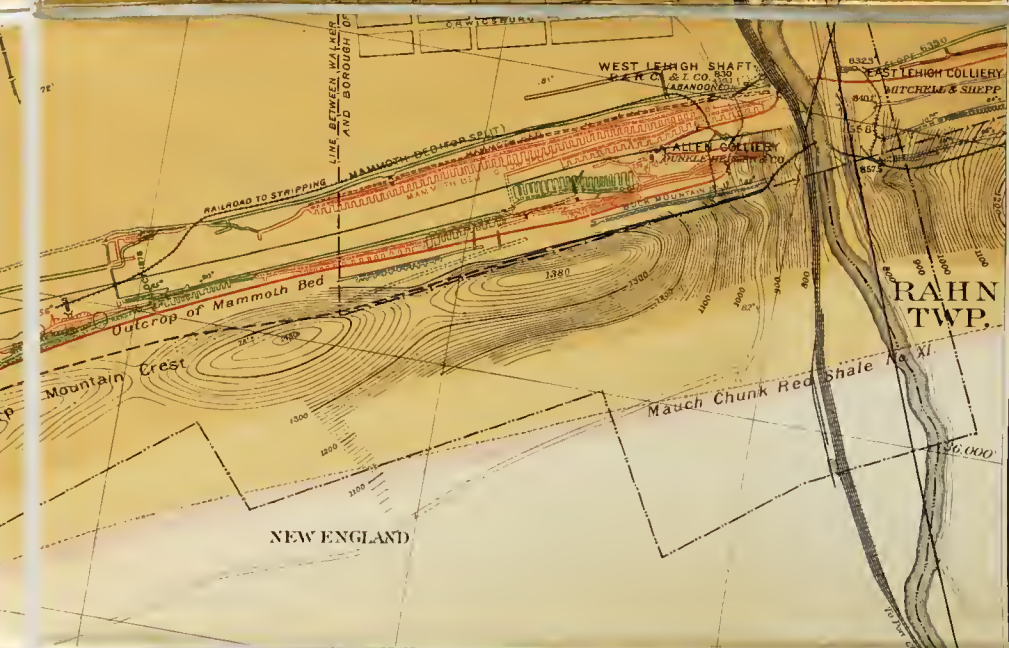
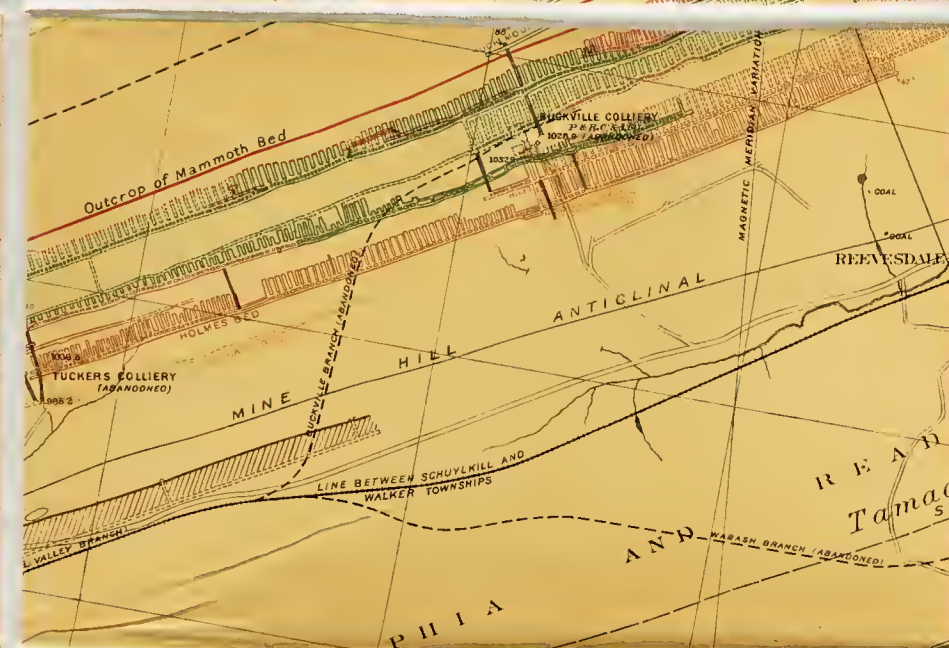
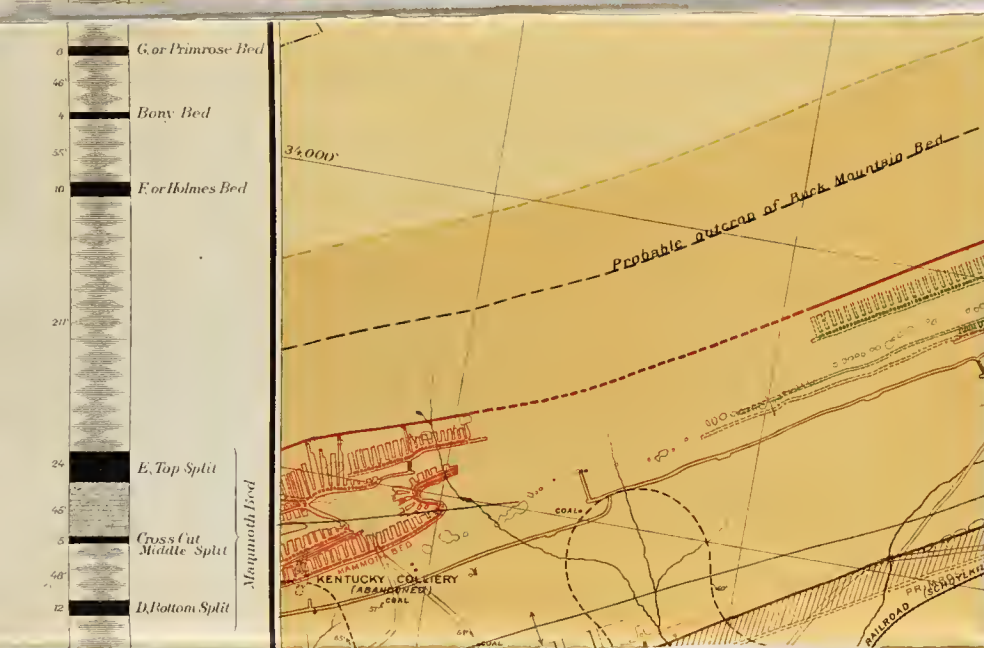
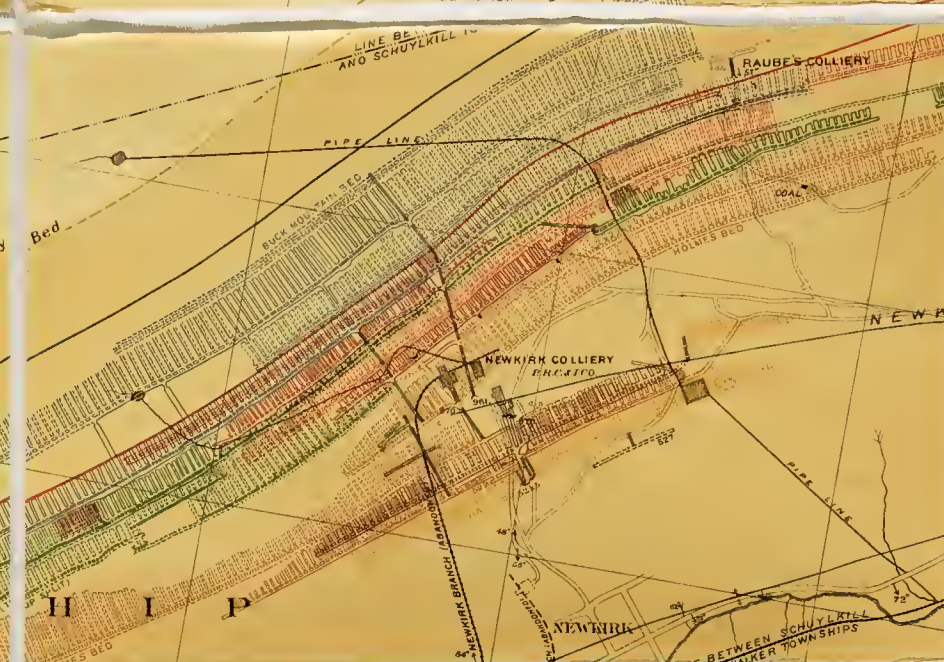
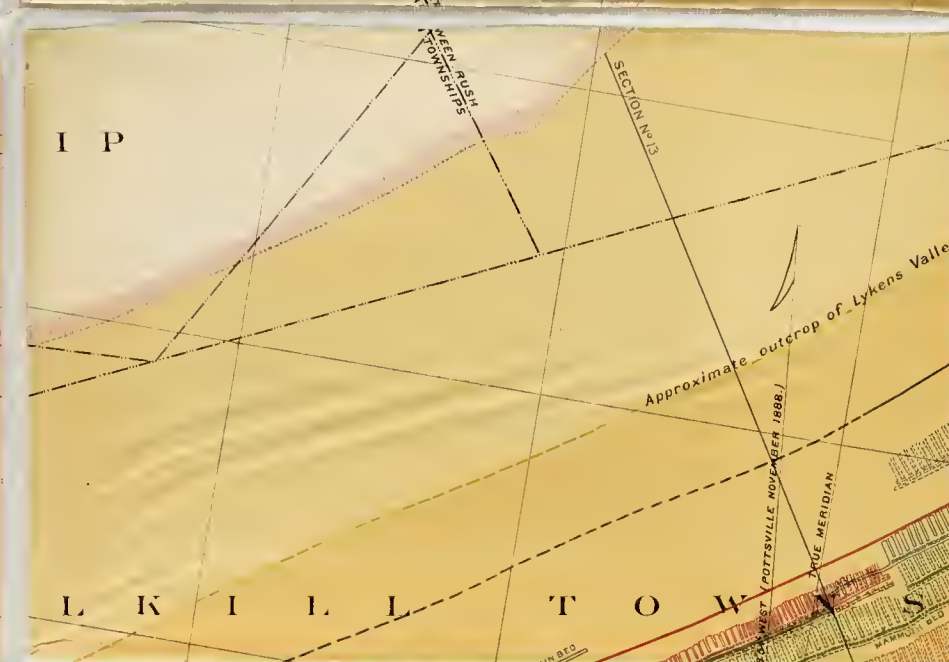
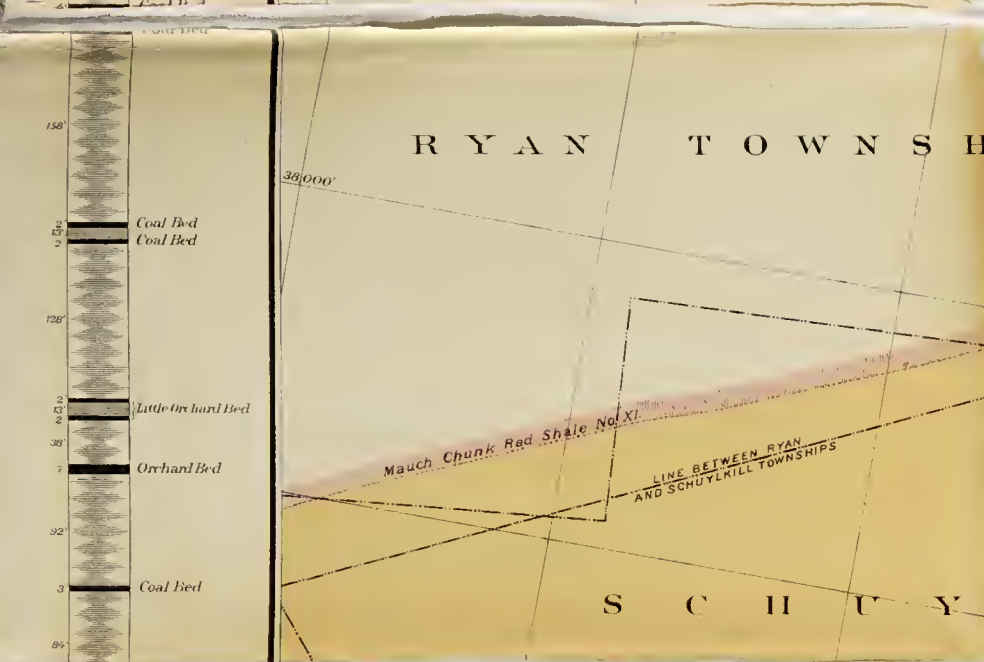
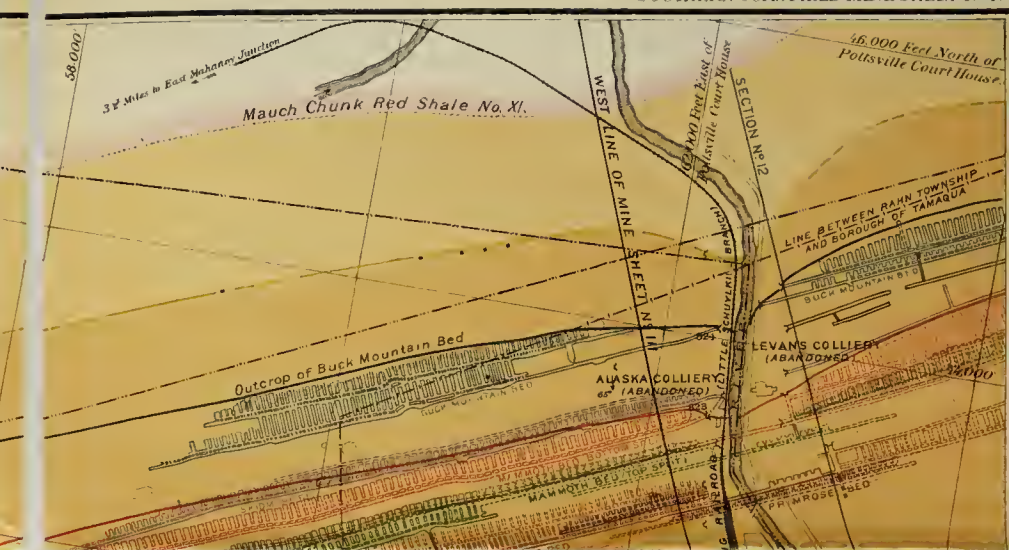
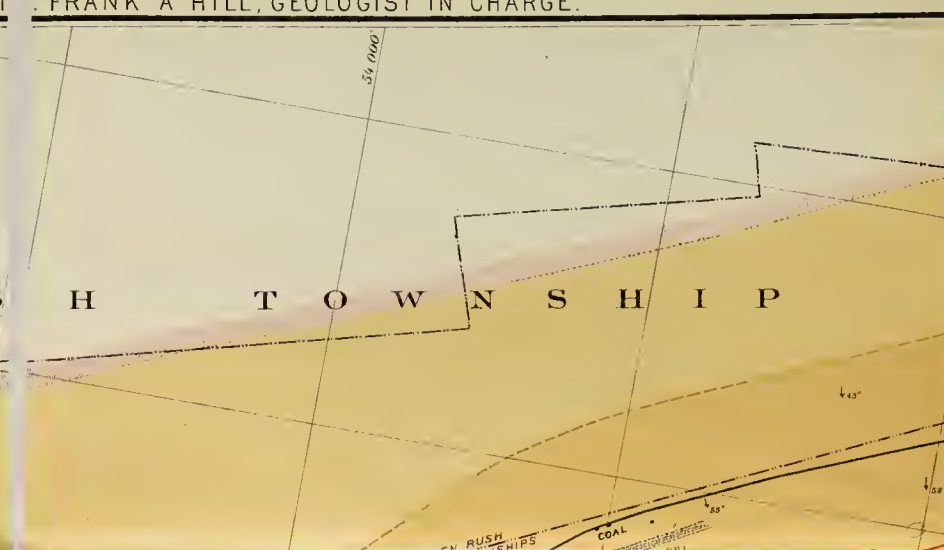
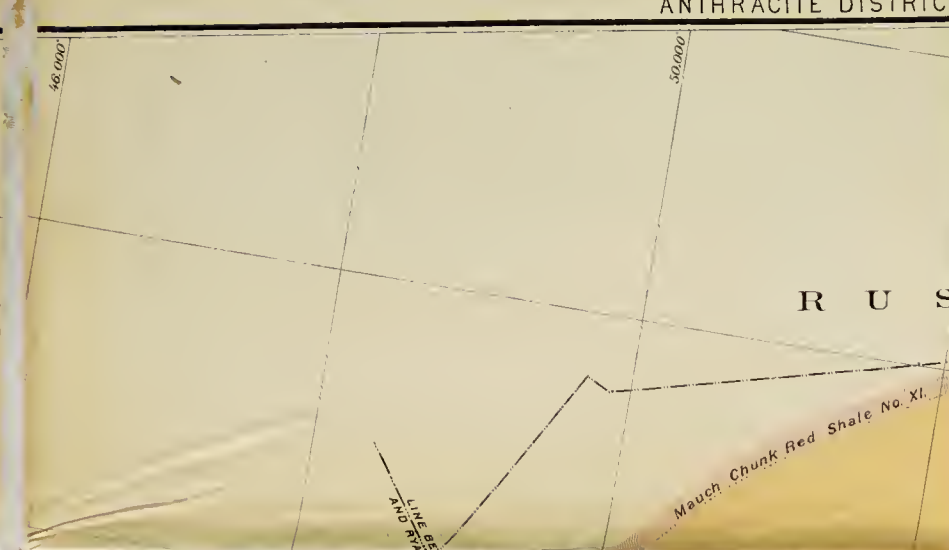
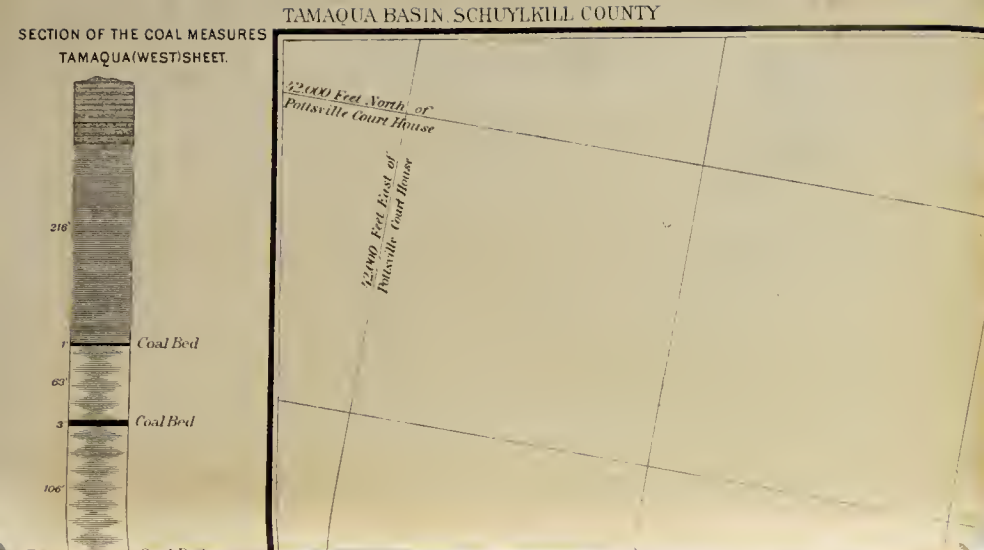
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SHOWING THE POSITION OF SOUTHERN COAL FIELD MINE SHEETS NOS. IV, V, VI, VII, VIII, VIIIa, IX, X, XI, XII, XIII, XIIIa, XIV, XIVa AND XV.

GENERAL MAP
OF THE
ANTHRACITE COAL FIELDS
OF
PENNSYLVANIA
AND
ADJOINING COUNTIES
FRANK A. HILL, GEOLOGIST IN CHARGE
1889.

- LEGEND
- Coal Measures No. XIII and
 - Pottsville Conglomerate No. XII
 - Top of Mauch Chunk Red Shale No. XI



Geol. 557
AA
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p 38 m

